Alberta Energy Regulator

Upstream Petroleum Industry Flaring and Venting Report

Industry Performance for Year Ending December 31, 2014

February 2016

www.aer.ca

Alberta Energy Regulator
ST60B-2015: Upstream Petroleum Industry Flaring and Venting Report, 2014

February 2016

Published by
Alberta Energy Regulator
Suite 1000, 250 – 5 Street SW
Calgary, Alberta
T2P 0R4

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Executive Summary

The Alberta Energy Regulator (AER) annually publishes *ST60B: Upstream Petroleum Industry Flaring and Venting Report* to fulfil the commitment it made in *Directive 060: Upstream Petroleum Industry Flaring, Incinerating, and Venting* to make flaring and venting data accessible.

The report's primary focus is on solution gas flaring and venting from crude oil and crude bitumen production operations. The report includes flared and vented volumes from in situ bitumen facilities, gas batteries, well testing, gas plants, gas gathering systems, and natural gas transmission lines. The report does not include flared and vented volumes from bitumen upgraders and oil sands mine operations. The data used to compile the report are obtained from Canada's Petroleum Information Network (Petrinex) and the AER.

Key statistics from 2014 include the following (some totals may not sum exactly due to rounding):

- Crude bitumen production increased by 13.6 per cent to 74 million cubic metres (10^6 m^3).
- Crude oil production increased by 1.6 per cent to 34 10^6 m^3.
- Solution gas conservation increased to 95.6 per cent from 95.3 per cent in 2013.
- Solution gas flared from crude bitumen and crude oil batteries was 490 10^6 m^3, down from 495 10^6 m^3 in 2013, a 1.0 per cent decrease.
  - Flaring from crude bitumen batteries was 87 10^6 m^3, up from 67 10^6 m^3 in 2013, a 31.2 per cent increase.
  - Flaring from crude oil batteries was 403 10^6 m^3, down from 429 10^6 m^3 in 2013, a 6.0 per cent decrease.
- Solution gas vented from crude bitumen and crude oil batteries was 429 10^6 m^3, up from 403 10^6 m^3 in 2013, a 6.4 per cent increase.
  - Venting from crude bitumen batteries was 254 10^6 m^3, up from 246 10^6 m^3 in 2013, a 3.5 per cent increase.
  - Venting from crude oil batteries was 175 10^6 m^3, up from 158 10^6 m^3 in 2013 a 10.8 per cent increase.
- Flaring and venting from other sources
  - Gas batteries
    - Flaring: 100 10^6 m^3, up from 58 10^6 m^3 in 2013,* a 71.8 per cent increase.
    - Venting: 30 10^6 m^3, up from 29 10^6 m^3 in 2013, a 2.4 per cent increase.

* The increase seen in the gas battery flaring in 2013 is due to corrections made by including flared gas volumes reported at gas wells for gas batteries.

- Well testing
  - Flaring: 238 10^6 m^3, up from 198 10^6 m^3 in 2013, a 19.9 per cent increase.
  - Venting: 24 10^6 m^3, down from 29 10^6 m^3 in 2013, a 16.1 per cent decrease.
- Gas plants
  - Flaring: 148 10^6 m^3, up from 111 10^6 m^3 in 2013, a 33.0 per cent increase.
  - Venting: 3 10^6 m^3, down from 4 10^6 m^3 in 2013, a 16.5 per cent decrease.
- Gas gathering systems
  - Flaring: 64 10^6 m^3, up from 53 10^6 m^3 in 2013, a 20.0 per cent increase.
  - Venting: 7 10^6 m^3, down from 8 10^6 m^3 in 2013, a 14.4 per cent decrease.
- Transmission lines
  - Flaring: 1 10^6 m^3, down from 2 10^6 m^3 in 2013, a 68.7 per cent decrease.
  - Venting: 13 10^6 m^3, up from 7 10^6 m^3 in 2013, an 80.8 per cent increase.

For questions about this report, e-mail the AER Environment and Operational Performance Branch, Resource Compliance Section, at ResourceCompliance@aer.ca or call the Customer Contact Centre at 403-297-8311 or toll free at 1-855-297-8311.

1 Introduction

The Alberta Energy Regulator (AER) is the province's single energy regulator whose core functions include conserving Alberta's energy resource, protecting public safety and the environment, and disseminating energy-related information. The AER's activities on reducing flaring and venting, including its partnership work, address conservation, public safety, and information dissemination.

The AER worked with the consensus-based, multistakeholder Flaring and Venting Project Team of the Clean Air Strategic Alliance (CASA) to develop flaring and venting management recommendations for the Province of Alberta. The recommendations included determining flaring and venting baselines, flaring reduction targets, and operational requirements for the upstream oil and gas industry. The AER adopted the recommendations put forward by CASA and incorporated them into the 1999 edition of *Guide 60: Upstream Petroleum Industry Flaring Guide* (subsequently known as *Directive 060: Upstream Petroleum Industry Flaring, Incinerating, and Venting*). The AER will continue to work with CASA, industry, and other stakeholders to reduce the volume of solution gas flared and vented in Alberta.

ST60B: Upstream Petroleum Industry Flaring and Venting Report, published annually, fulfills the AER's commitment to report flaring and venting volumes, as set out in *Directive 060*.

The report's primary focus is on solution gas flaring and venting from crude oil and crude bitumen production operations. The report includes flared and vented volumes from in situ bitumen facilities, gas batteries, well testing, gas plants, gas gathering systems, and natural gas transmission lines. The report does not include flared and vented volumes from bitumen upgraders and oil sands mine operations. The data used to compile the report were obtained from Canada's Petroleum Information Network (Petrinex) and the AER.

For this report,

- crude bitumen is oil produced within the AER-designated oil sands areas[1] that has a density of 920 kilograms per cubic metre (kg/m^3) or greater;
- crude oil is all other crude oil production in the province, including oil with a density of 920 kg/m^3 or greater produced outside the designated oil sands areas;
- all reported flared volumes include gas that was incinerated, unless otherwise stated;
- venting is defined as the noncombusted release of gas to the atmosphere; and
- Conservation = $\frac{[\text{Volume of gas produced} - (\text{Volume of gas flared} + \text{volume of gas vented})]}{\text{Volume of gas produced}}$

[1] See ST98-2015: Alberta's *Energy Reserves 2014 and Supply/Demand Outlook*, Figure R3.1, available on the AER website, www.aer.ca.

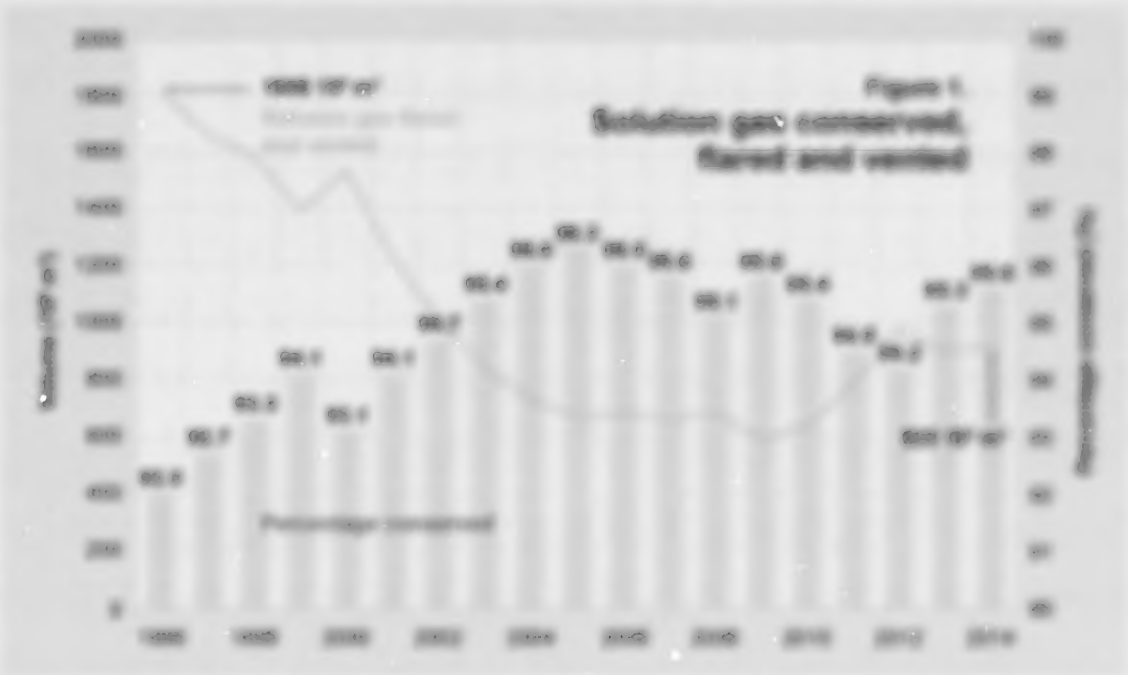
For information on flaring, reinventing, and venting requirements, see *Directive 060*. For questions about this report, e-mail the AER Environment and Operational Performance Branch, Resource Compliance Section, at ResourceCompliance@aer.ca or call the Customer Contact Centre at 403-297-8311 or toll free at 1-855-297-8311.

3 Solution Gas Conserved, Flared and Vented, 1996–2014

Gas conservation is the recovery of solution gas to use as fuel for production facilities, to sell, to repair the unlicensed recovery from oil or condensate pools, or to generate power, among other uses.

Industry achieved a 95.4 per cent solution gas conservation rate in 2014, compared with 95.7 per cent in 2013 (see figure 1).

Data from all crude oil and crude bitumen batteries were used in calculating the percentage of solution gas conserved.



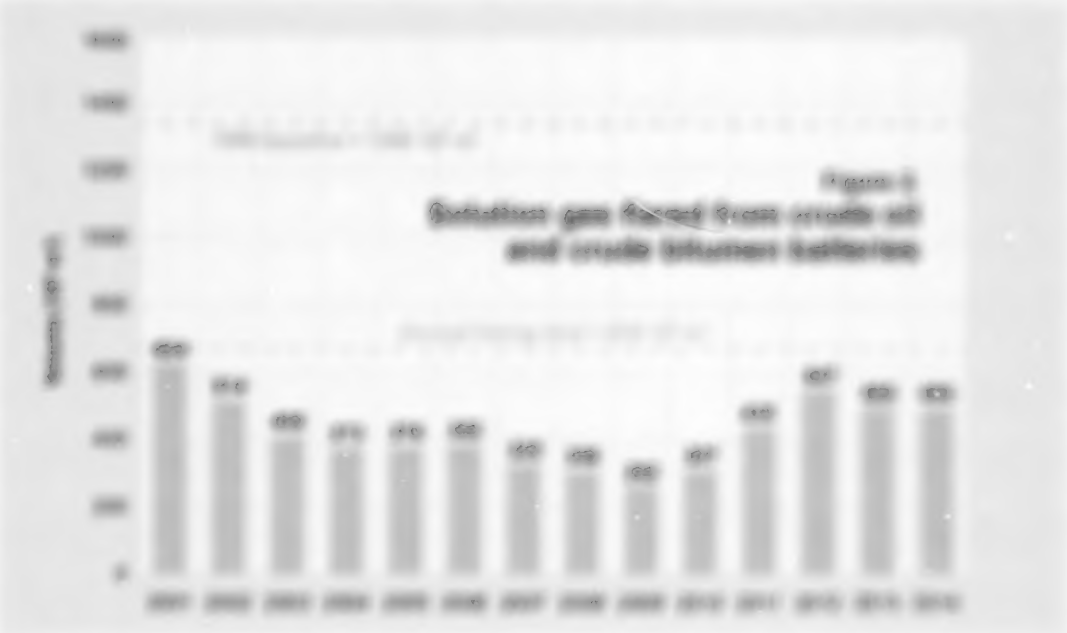
The combined volume of flared and vented solution gas increased 2.1 per cent to 439 million cubic metres (10^6 m^3) in 2014 from 899 10^6 m^3 in 2013.[1]

[1] Values in this report have been rounded to the nearest 10^6 m^3.

8 Solution Gas Flaring and Venting Performance

The 2014 flared volumes were 45.4 per cent less than the 1996 flaring baseline of 2 249 10^3 m^3 and 1.0 per cent less than 2013 volumes (see figure 3). The 2014 vented volumes were 34.1 per cent less than the 2000 venting baseline of 704 10^3 m^3 and 4.4 per cent more than the 2013 volumes (see figure 3).

The years 1996 and 2000 were selected as the baseline years for solution gas flaring and venting, respectively, since data from these years were the most recent available to the *Q Well Flaring and Venting Report Team*.



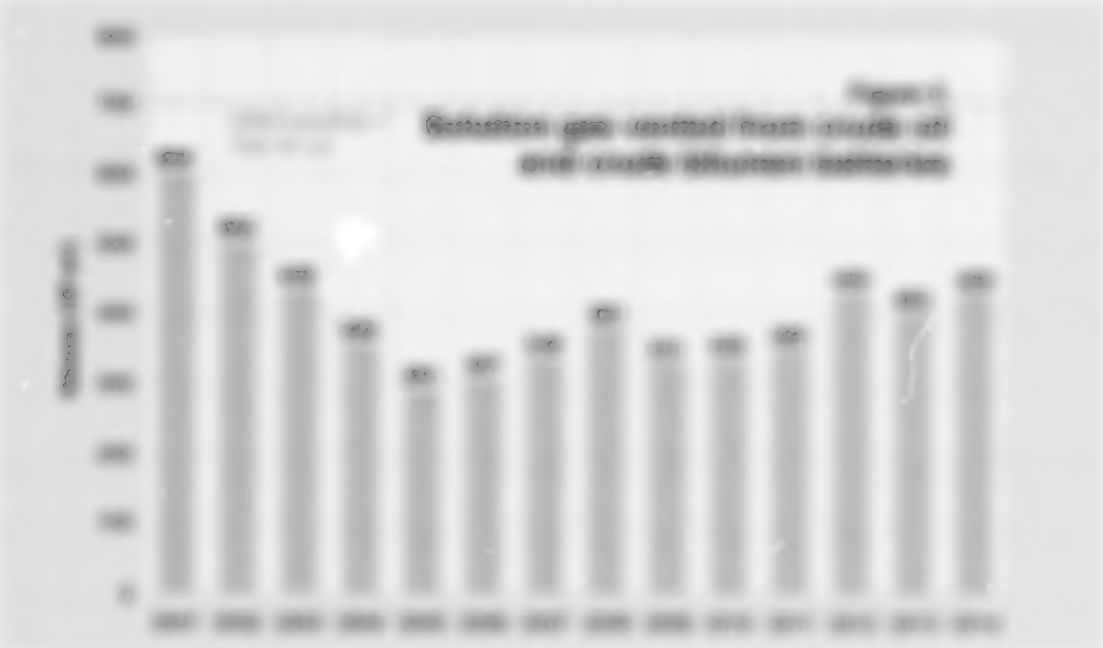


Figure 1:
Solution gas vented from crude oil and crude bitumen batteries

Table 1 shows the change in conservation rates for crude bitumen batteries and crude oil batteries in 2014 compared with 2013, as well as the change in gas production and flaring and venting.

Table 1: Solution gas conservation rates for crude oil and crude bitumen batteries, 2013–2014

	Conservation rates (%)		Gas production 2013 to 2014 (% change)	Flared and vented 2013 to 2014 (% change)	
Type	2013	2014			
Crude oil batteries	98.1	98.1	1.0	0.1	1.0
Crude bitumen batteries	98.9	98.9	0.9	0.1	0.8
Crude oil & crude bitumen batteries	98.4	98.4	0.9	0.1	0.9

Discussion

Table 1 shows the change in solution gas conservation rates compared with increases or decreases in overall solution gas production. Comparing 2013 and 2014 data, it can be seen that solution gas production at both crude oil and crude bitumen batteries increased in 2014. The table also shows that solution gas conservation rates at crude oil batteries increased in 2014 compared with 2013 and decreased at crude bitumen batteries in 2014 compared with 2013.

Directive 060, dealing with the solution gas conservation requirements, requires that all solution gas flares or vents volumes more than 900 m³/day must be conservable, evaluated to see if gas conservation rates is viable. If the net present value (NPV) of gas conservation is a credit of battery is found to be greater than negative $10 000, the outlet a battery must not be produced until the gas is conserved. In

Under Western California, as more as gas fleet—later a crucial as average of 500 m² Bay. He was commanders. Most standby period's effect a rolling, to standby aviation—appointed fleet—up to as standby as once—a city aviation gas of Bay. (MP) 10 gas season takes a private fleet supplies (MP) 500. Mystery (MP) 2 first every and supplied as businesses a standard (MP) 2 p.m. 30 MP fleet fleet—aviation gas season takes as businesses.

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Area—of—Administration—a—fleet—by—and—strategy—as—for—Hawaii—a—fifty—400 ft²—aviation.

3 Natural loss of gaseous CO and GHG (tonnes, 2000-2020)

The table shows Natural loss of gaseous CO and GHG (tonnes) for 2000 - 2020. It is divided into 3 main sections (Figure 1).

The data is split into 3 sections (Figure 1).

Table 1: Natural loss of gaseous CO and GHG

Year							
2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008							
2009							
2010							
2011							
2012							
2013							
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2015							
2016							
2017							
2018							
2019							
2020							

Year	Crude bitumen batteries	Crude oil batteries	Gas batteries[1,2,3]	Well testing	Gas plants[4]	Gas gathering systems[4]	Transmission lines	Total
2010	61	229	29	154	114	53	2	638
2011	67	169	59	203	127	32	1	651
2012	73.8	676.7	37.9	186.3	133.8	40.1	1.1	949
2013	99.3	628.8	59.5	198.8	111.1	52.9	2.0	918
2014	**97.8**	**663.8**	**166.8**	**237.7**	**147.8**	**63.8**	**5.8**	**1581**
2014 vs 2013 change	31.3%	-5.3%	71.8	19.5%	33.0%	20.5%	-58.7%	72.3%

[1] Due to rounding, some totals may not exactly match the sum of the source categories.

[2] As of 27SEP-2013, the category for "CBM & shale gas wells" (CBM = coalbed methane) has been excluded from figure 4 and table 2. The flared volumes from this category have been combined in the "Gas batteries" category.

[3] The increase seen in the gas battery flaring in 2012 and 2013 relative to previous years' 27SEP is due to corrections made by including flared gas volumes reported at gas wells for gas batteries.

[4] The figures for gas plants and gas gathering systems include both flared and vented volumes for the years 2008 to 2014.

Flared volumes from gas batteries began trending upwards from 58 $10^3 m^3$ in 2012, 98 $10^3 m^3$ in 2013, to 166 $10^3 m^3$ in 2014. This is mainly attributed to horizontal multistage hydraulically fractured gas wells. It takes longer to clean out the wells in these operations to meet pipeline specifications prior to transmission, which results in greater flare volumes and flaring duration. The flared volume during this clean up period is reported as gas battery flaring and not as well test flaring.

In 2014, 50 per cent of the total volume flared from gas gathering systems came from 5 of the 5826 systems.

In 2014, of the 1108 gas plants reporting receipts, 392 gas plants flared a total of 148 $10^3 m^3$, a 33.0 per cent increase from 2013. All gas plant subtypes contribute to this report; they include sweet gas, acid gas, acid gas injection, sulphur recovery, straddle, and fractionation. Table 3 shows the top 30 gas plants that flared in 2014 by volume.

Table 3. Top 50 flaring gas plants in 2014

Gas plant	Location	Operator name	Gas flared (10^3 m^3)
ABGP0001[illegible]7	09-01-056-22W4	Pembina NGL Corporation	16.4
ABGP0001[illegible]8	08-09-064-19W5	Trilogy Resources Ltd	8.2
ABGP0001[illegible]0	09-27-031-04W5	Taylor Processing Inc	6.3
ABGP0001[illegible]2	01-08-070-10W5	Apache Canada Ltd	5.6
ABGP0[illegible]5	08-13-063-05W6	Paramount Resources Ltd	5.1
ABGP0001[illegible]6	01-01-078-10W6	Canadian Natural Resources Limited	4.8
ABGP0001[illegible]0	06-19-073-08W6	ConocoPhillips Canada Energy Partnership	4.8
ABGP0001[illegible]7	11-18-074-12W6	Veresen Midstream General Partner Inc	4.4
ABGP0001[illegible]3	11-35-037-09W5	Keyera Energy Ltd	3.7
ABGP0[illegible]4	08-11-060-03W6	Pembina Gas Services Ltd	3.2
ABGP0001[illegible]0	04-08-070-11W6	ConocoPhillips Canada (BRC) Partnership	2.8
ABGP0001[illegible]9	13-26-067-05W6	Canadian Natural Resources Limited	2.7
ABGP0001[illegible]4	02-05-044-01W5	Keyera Energy Ltd	2.7
ABGP0001[illegible]1	10-11-030-01W4	Spectra Energy Empress Management Inc	2.5
ABGP0001[illegible]9	15-03-081-04W6	Canadian Natural Resources Limited	2.3
ABGP0001[illegible]8	03-15-059-19W5	SemCAMS ULC	2.3
ABGP0001[illegible]7	01-12-062-25W5	SemCAMS ULC	2.2
ABGP0[illegible]79	12-36-057-23W5	Pembina Gas Services Ltd	2.2
ABGP0[illegible]7	09-31-062-24W5	Encana Corporation	2.1
ABGP0001[illegible]2	16-33-038-22W4	Keyera Energy Ltd	1.9
ABGP0001[illegible]3	09-06-063-25W5	Keyera Energy Ltd	1.9
ABGP0001[illegible]2	04-31-048-12W5	Blaze Energy Ltd	1.9
ABGP0001[illegible]2	04-08-075-07W6	Encana Corporation	1.8
ABGP0001[illegible]0	01-35-019-28W4	MFC Energy Corporation	1.8
ABGP0001[illegible]5	10-10-109-08W6	Husky Oil Operations Limited	1.6
ABGP0001[illegible]8	08-12-040-14W5	Keyera Energy Ltd	1.5
ABGP0001[illegible]1	04-02-037-10W5	Husky Oil Operations Limited	1.4
ABGP0[illegible]4	10-07-067-24W5	ARC Resources Ltd	1.3
ABGP0001[illegible]1	06-10-044-12W5	Keyera Energy Ltd	1.3
ABGP0001[illegible]1	04-08-069-08W6	Canadian Natural Resources Limited	1.2
Total			**101.8**
% of total gas plant flaring			**69.0%**

An AER review of 54 well tests showed that 46 per cent of the flared gas was reported incorrectly. The reported flare volumes during well testing may have included some nonhydrocarbon gas, such as carbon dioxide (CO_2) and nitrogen (N_2) from fracturing operations. In other situations, pipelined gas volumes during well tests (testing in line) were incorrectly reported as flared gas volumes. These gas volumes were subtracted by the AER from the reported flared volumes to get the actual hydrocarbon gas that was flared from these well tests. This adjustment was only made for the 54 well tests reviewed, and the volumes were not prorated for the entire well test dataset.

Excluding well tests conducted in line, the number of well tests that flared in 2014 was 1605, compared with a total of 1678 tests in 2013. The total volume of gas flared for all well tests increased by 19.9 per cent to 237.7 10^3 m^3.

When considering all well tests conducted in 2014, the average gas volume flared per test was 140.6 10^3 m^3, compared with 109.8 10^3 m^3 per test in 2013, an increase of 28.1 per cent (see table 4). This can be attributed to an increase of 220 horizontal multistage-fractured gas wells tested in 2014. It takes longer to recover load fluids and clean out wells in these operations, which results in greater flare volumes and flaring duration than with vertical wells and wells that are not fractured.

Table 4. Average volume of gas flared per well test and number of wells drilled by type

Year	Volume (10^3 m^3)	Number of horizontal, multistage-fractured gas wells	Number of horizontal, multistage-fractured oil wells	Total number of wells drilled
2005	34.6	-	-	20 179
2006	40.8	-	-	18 878
2007	40.0	-	-	14 723
2008	45.6	93	53	12 914
2009	39.2	160	120	6 392
2010	63.5	350	778	8 946
2011	83.2	645	1 645	9 303
2012	102.3	530	1 839	8 143
2013	109.8	626	1 612	7 812
2014	140.6	846	1 506	7 543

Directive 060 requires that operators seek alternatives to well test flaring. Operators are required to test in line when it is both economically viable and safe to do so. Testing in line can mean either connecting to an existing gas gathering system directly or laying a temporary surface pipeline to connect a well to a remote gas gathering system. In either method, the gas from the well test is conserved.

The data in table 5 represent the flaring from well tests conducted by 25 companies in 2014 and the average volume of gas flared per test.

Table 5. Well test flaring, 2014 ranked by number of well tests conducted

Company	Well tests (#)	Gas flared (10^6 m^3)	Average gas flared per test (10^3 m^3)
Encana Corporation	424	13.1	30.9
Tourmaline Oil Corp.	127	18.7	147.1
Bellatrix Exploration Ltd.	116	25.8	222.8
Bonavista Energy Corporation	91	22.4	246.5
Canadian Natural Resources Limited	62	9.2	147.6
ConocoPhillips Canada Operations Ltd.	60	8.2	135.8
Pengrowth Energy Corporation	60	3.0	49.5
TAQA North Ltd.	57	13.1	230.6
Vermilion Energy Inc.	54	2.5	46.6
ConocoPhillips Canada Resources Corp.	46	5.2	113.0
Birchcliff Energy Ltd.	36	3.3	93.0
Shell Canada Limited	33	3.5	107.5
Exshaw Oil Corp.	26	4.1	157.1
Cequence Energy Ltd.	22	6.3	288.5
Direct Energy Marketing Limited	21	3.2	154.5
Beringer Energy Inc.	18	0.5	26.5
Cenovus Energy Inc.	18	0.9	49.8
Westbrick Energy Ltd.	18	2.4	133.4
Advantage Oil & Gas Ltd.	17	7.6	447.8
Granite Oil Corp.	17	6.1	359.2
Penn West Petroleum Ltd.	16	0.8	50.1
NuVista Energy Ltd.	15	2.4	160.3
Velvet Energy Ltd.	15	3.1	203.7
Long Run Exploration Ltd.	14	2.6	189.2
ARC Resources Ltd.	13	0.7	50.1
Total	**1 396**	**168.8**	
% of total well tests	**82.6%**	**71.0%**	

In cases of sour gas or sour oil well testing, if the gas to be flared contains greater than 5 per cent hydrogen sulphide (H_2S), a sour gas flaring approval is required. The temporary sour gas approval process involves a detailed review of air quality dispersion modelling and is conducted to ensure that the Alberta ambient air quality objectives (AAAQO) of Alberta Environment and Parks will not be exceeded. The application for a sour gas flaring approval may also include plans that document how any predicted exceedances of the AAAQO will be mitigated. When the AER is satisfied that the AAAQO will be met, and that levels of all other parameters (such as flared volumes and sulphur emissions) are justified and minimized, a temporary sour gas flaring approval may be issued.

In 2014, the AER issued 120 temporary sour gas flaring approvals, an increase from the 91 issued in 2013 (see figure 5).

The reason for the decreases in sour gas flaring approvals since 2006 may be twofold. First, market conditions for natural gas have not been as favourable in recent years, which may have resulted in upstream oil and gas licensees rebalancing their capital and operating budgets.

Second, with the release of the revised *Directive 060* at the end of January 2007, a new allowance to flare small volumes of gas containing H_2S volumes in excess of 5 per cent without a sour gas flaring approval was introduced. With this new allowance, companies are still required to conduct dispersion modelling if the H_2S concentration of the gas to be flared is in excess of 1 per cent, and proper notification to the AER and public at least 24 hours in advance of flaring operations is still required.

5 Venting from All Upstream Oil and Gas Sources, 2000–2014

The most significant source of venting is crude bitumen batteries, where solution gas is vented from the production casing annulus at a large number of individual wells. In some instances, small volumes of solution gas are also vented from treaters and stock tanks at crude oil and crude bitumen batteries. Venting during well testing is primarily from shallow, sweet, low-deliverability gas wells, including coalbed methane wells.

In *ST60B-2004: Upstream Petroleum Industry Flaring and Venting Report, 2003*, the AER made commitments to identify and set out a number of conservation measures aimed at reducing the volumes of solution gas vented from crude bitumen operations. As a result of industry implementing these measures, there was a net decrease in venting from crude bitumen batteries between 2004 and 2007. However, in 2008 this trend was reversed and there was an increase of 16.9 per cent compared with 2004. In 2014, there was a 16.1 per cent increase in venting from crude bitumen batteries compared with 2004.

In 2014, venting from crude bitumen batteries increased by 3.5 per cent to 254 10^6 m^3 from 246 10^6 m^3 in 2013. Crude bitumen production grew by 8.9 10^6 m^3 to 74.3 10^6 m^3 in 2014, an increase of 13.6 per cent compared with 2013, with 430 more crude bitumen batteries operating.

Venting from crude oil batteries increased by 10.8 per cent to 175 10^6 m^3 from 158 10^6 m^3 in 2013. Crude oil production grew by 0.5 10^6 m^3 to 33.6 10^6 m^3 in 2014, an increase of 1.6 per cent compared with 2013, with 382 fewer crude oil batteries operating.

Figure 6 shows vented volumes broken down by source for 2000 to 2014. The data in table 6 were used to prepare figure 6. As indicated in the table, the total volume vented from all upstream oil and gas sources in 2014 was 505 10^6 m^3, an increase of 5.3 per cent from 2013.

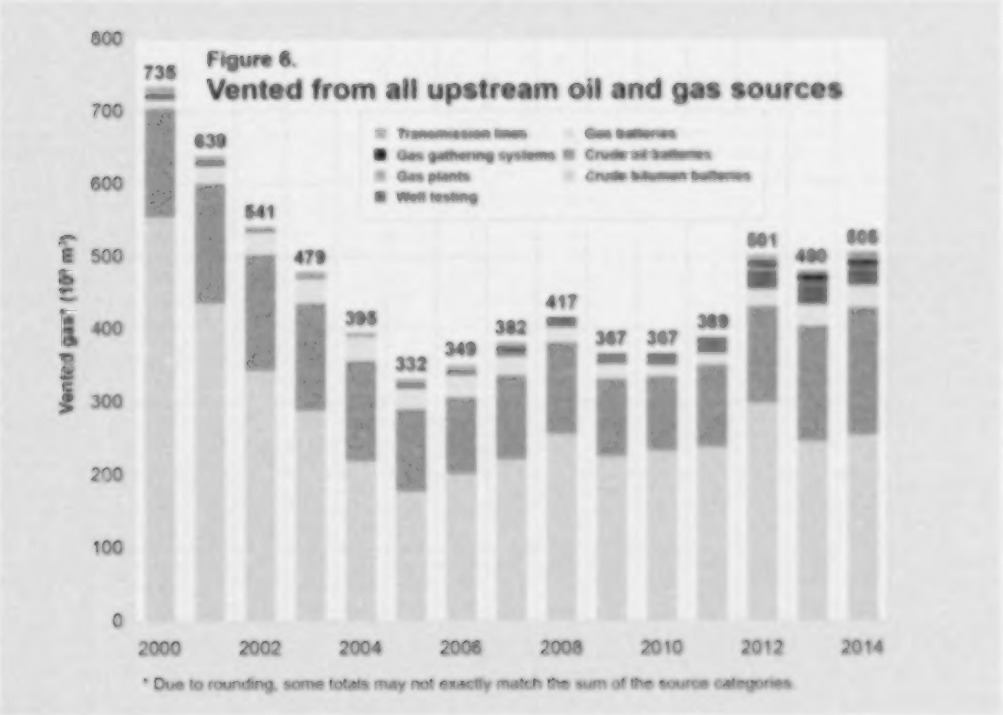

Table 6. Venting from upstream oil and gas sources (10^6 m^3)[a]

Year	Crude bitumen batteries	Crude oil batteries	Gas batteries[b]	Well testing	Gas plants	Gas gathering systems	Transmission lines	Total
2000	554	150	12	7	0	0	12	735
2001	436	164	24	7	0	0	8	639
2002	343	159	31	3	0	0	5	541
2003	288	147	34	2	0	0	8	479
2004	219	137	33	1	0	0	5	395
2005	177	113	28	6	0	0	8	332
2006	201	105	30	5	0	0	8	349
2007	221	115	26	4	3	5	8	382
2008	256	125	21	5	2	5	3	417
2009	225	106	21	6	3	3	3	367
2010	233	101	16	7	3	4	3	367
2011	238	112	16	10	4	5	4	389
2012	298.0	132.4	23.7	26.0	5.1	6.8	9.0	501
2013	245.5	157.9	29.0	28.8	3.7	8.0	7.0	480
2014	**254.2**	**174.8**	**29.7**	**24.1**	**3.1**	**6.8**	**12.7**	**505**
2014 vs. 2013 change	3.5%	10.8%	2.4%	-16.1%	-16.5%	-14.4%	80.8%	5.3%

[a] Due to rounding, some totals may not exactly match the sum of the source categories.

[b] As of ST60B-2015, the category for "CBM & shale gas wells" (CBM = coalbed methane) has been excluded from figure 6 and table 6. The vented volumes from this category have been combined in the "Gas batteries" category.

Table 6 shows an increase in 2014 compared with 2013 in volumes vented from crude bitumen batteries, crude oil batteries, gas batteries, and transmission lines. There were decreases in venting from well testing, gas plants, and gas gathering systems in 2014.

Although the AER does not collect data on the emissions of greenhouse gases, it is concerned about the impact that these gases can have on the environment. Accordingly, *Directive 060* requires that vented gas that can sustain continuous combustion and that is uneconomic to conserve must be burned.

6 Provincial Solution Gas Flaring and Venting Maps

The following maps of the province depict solution gas flaring and venting by township.

The maps do not display data derived from "paper batteries." Paper batteries are an administrative reporting entity used by production accountants to report production from multiple wells to a single reporting location. Including paper batteries in these maps could result in showing flaring and venting in townships where it did not actually occur. Flaring and venting from paper batteries are accounted for in the ranking tables of this report.

2014 solution gas
flaring from oil and
bitumen batteries
(excluding paper batteries)

2010 solution gas
venting from oil and
bitumen batteries
(excluding paper batteries)

[redacted]

[redacted]

[redacted]

[

[illegible] [illegible] [illegible] [

OPEC56 Y4R5 M775 T4R [6R5R5R87 AY5-4MBE8 SP 9MB23M4 ED5 R55-477D5N GM5 R5 @R4]*

4R4B5E 5B, 8M5 4R4B5E 8574M8E8 6M7745B5 T5R 6L-8B5975

Q4N 5477C 4ww 2, @R19

4M5B4M4	8M4 4M5	8M4 4M5	8M4 Pr-M5B4 n 4B5R75 (1000 a^3)	8M4 Pr-M5B4 n 4B5R75 6M5B5	8M4 Pr-M5B4 (1000 a^3)	Pr-M5B	8M5 4B5R75 (1000 a^3)	4B5R	Oil, PROD (a^3)	8M5 N-8M5 PROD (1000 a^3)	8M4 6M5B
Canadian Natural Resources Limited	52.4%	1.9%	158,500.7	1	29,638.3	3	172,854.4	1	18,872,351.0	2,165,888.0	1
Husky Oil Operations Limited	22.1%	0.8%	79,382.8	2	9,834.8	13	89,146.3	2	9,827,484.0	1,827,352.3	2
Tapis West Petroleum Ltd	52.3%	2.8%	45,347.3	3	35,134.1	1	8,340.8	8	2,265,350.0	384,034.8	3
Encana Corporation	58.2%	2.3%	8,881.8	20	5,868.2	27	635.8	34	317,227.5	832,285.3	4
Rangeland Energy Corporation	58.2%	2.3%	14,381.2	13	11,318.2	8	2,372.8	17	1,65a,311.7	814,341.7	5
WPI Resources Ltd	58.7%	2.5%	5,136.8	29	7,826.20	13	1,358.80	33	1,271,340.40	722,338.3	6
Bellamy Exploration Ltd	48.8%	2.4%	9,087.8	22	8,058.53	25	2,311.20	13	918,853.53	675,88a.5	7
Imperial Oil Resources	58.3%	3.3%	2,858.7	51	2,458.83	40	314.1	58	8.0aa,a75.80	585,28a.3	8
Whitecap Resources Inc.	58.8%	3.2%	7,85a.5	23	9,080.83	25	1,85a.10	22	758,838.21	552,858.5	9
Cenovus Energy Inc.	58.8%	3.8%	10,832.1	13	2,111.33	50	10,523.83	3	3,132,a72.08	481,a5a.3	10
Long Run Exploration Ltd	37.3%	3.8%	13,046.8	17	7,885.83	18	2,383.83	10	717,809.34	a10,220.3	11
Apache Canada Ltd	37.8%	1.1%	8,528.a	18	8,188.13	13	1,351.20	28	738,31a.23	588,83a.1	12
Lightstream Resources Ltd	58.7%	1.8%	33,388.1	8	18,851.73	a	1,83a.a3	27	888,881.83	382,375.3	13
Glencoe Resources Ltd	58.7%	2.1%	887.8	68	11.8	273	888.2	52	87,278.73	378,213.8	14
Tilloy Resources Ltd	58.8%	2.3%	8,311.8	32	2,a02.32	23	138.8	11a	827,881.20	375,238.3	15
Renewable Energy Corporation	58.1%	3.8%	7,138.8	28	2,782.34	43	8,481.18	13	885,313.83	373,112.8	16
ConocoPhillips Canada (BRC) Partnership	58.3%	2.1%	2,823.3	53	813.8	81	1,73a.20	23	278,38a.83	313,807.8	17
TAUG-WoW Ltd	58.3%	3.8%	5,778.8	35	3,873.83	38	1,888.83	21	35a,751.13	311,83a.2	18
Encana Oil Corp	58.8%	3.3%	1,883.8	73	1,833.83	83	8	285	23a,778.38	282,513.a	19
Journey Energy Inc.	58.1%	3.7%	2,388.1	38	a,a18.23	34	888.8	45	288,338.53	253,348.1	20
SMF Energy Inc.	58.8%	3.1%	818.8	11a	378.1	88	31.8	188	38,138.38	238,738.8	21
NAL Resources Limited	58.8%	3.3%	1,383.2	77	731.1	85	882.1	45	138,332.13	244,83a.3	22
Zavon Canada	52.8%	13.8%	43,883.a	a	2,811.38	aa	38,238.13	3	3,881,383.48	232,388.3	23
Harvest Operations Corp	52.8%	1.a%	23,888.a	7	18,277.48	8	3,873.83	8	1,332,782.80	228,a53.a	24
Bonterra Energy Corp.	58.3%	3.3%	7,888.1	24	3,118.83	24	1,388.83	24	a88,738.58	222,387.3	25
CANADA			**C58,278.8**		**183,778.8**		**238,383.3**		**83,888,788.1**	**18,113,888.8**	
% OF PRODUCING TOTAL			**88.8%**		**38.8%**		**78.8%**		**88.7%**	**88.8%**	

[1] Location is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments

OPERATORS WITH THE LARGEST VOLUMES OF VENTED SOLUTION GAS IN 2014[1]
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: June 2, 2015

COMPANY	GAS CONS	GAS CONS CHANGE	GAS FLARED + VENTED (1000 m^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m^3)	FLARE RANK	GAS VENTED (1000 m^3)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD (1000 m^3)
Canadian Natural Resources Limited	90.9%	1.8%	199,593.7	1	26,639.3	3	172,954.4	1	18,672,851.0	2,195,886.9
Husky Oil Operations Limited	95.1%	-0.9%	78,983.8	2	9,934.9	10	69,048.9	2	3,897,484.0	1,607,352.3
Devon Canada	82.4%	-10.0%	40,850.6	4	2,611.5	44	38,239.1	3	5,801,060.4	232,088.0
Twin Butte Energy Ltd.	64.6%	-5.6%	26,374.6	6	7,407.2	19	18,967.4	4	799,718.4	74,544.7
Cenovus Energy Inc.	96.8%	0.0%	15,632.1	10	2,111.5	50	13,520.6	5	3,150,405.0	481,454.9
Penn West Petroleum Ltd.	95.3%	-0.6%	46,047.9	3	36,104.1	1	9,943.8	6	2,263,393.0	984,054.6
Gear Energy Ltd.	78.4%	21.0%	6,970.1	29	-	283	6,970.1	7	279,821.3	32,200.1
Harvest Operations Corp.	90.8%	1.4%	20,956.4	7	14,277.4	6	6,679.0	8	1,032,762.8	228,453.4
Murphy Oil Company Ltd.	88.3%	-2.5%	15,613.0	11	9,360.9	12	6,252.1	9	481,896.7	133,503.3
Bonavista Energy Corporation	98.1%	3.0%	7,106.8	28	2,705.3	43	4,401.5	10	446,313.6	370,119.6
Tamarack Acquisition Corp.	90.4%	26.3%	6,143.2	34	2,220.7	49	3,922.5	11	149,709.2	63,639.4
Perpetual Energy Operating Corp.	93.4%	-0.9%	4,271.9	45	885.7	86	3,386.2	12	171,423.0	64,583.1
Cardinal Energy Ltd.	86.3%	37.2%	7,224.1	27	4,205.6	35	3,018.5	13	399,476.2	52,818.1
Surge Energy Inc.	94.4%	3.4%	11,286.5	14	8,434.1	14	2,852.4	14	425,035.3	202,215.9
Talisman Energy Inc.	86.6%	-2.3%	4,894.2	39	2,471.8	46	2,422.4	15	573,610.6	36,418.1
Long Run Exploration Ltd.	97.6%	-0.6%	10,045.6	17	7,685.0	18	2,360.6	16	717,805.5	412,223.3
Pengrowth Energy Corporation	98.2%	0.3%	14,591.2	13	12,519.2	8	2,072.0	17	1,654,011.7	814,341.7
Palliser Oil & Gas Corporation	27.5%	17.5%	2,049.2	59	9.9	254	2,039.3	18	33,811.7	2,825.2
Bellatrix Exploration Ltd.	98.8%	0.4%	8,067.8	22	6,056.5	26	2,011.3	19	318,953.5	675,684.6
Lone Pine Resources Canada Ltd.	87.3%	4.9%	1,947.0	60	37.6	225	1,909.4	20	136,536.7	15,338.8
TAQA North Ltd.	98.2%	-0.6%	5,778.5	36	3,879.9	38	1,898.6	21	364,751.1	311,894.2
Whitecap Resources Inc.	98.6%	0.2%	7,964.5	23	6,080.0	25	1,884.5	22	750,639.2	552,939.5
ConocoPhillips Canada (BRC) Partnership	99.2%	-0.1%	2,520.0	53	815.8	91	1,704.2	23	276,940.6	313,907.8
Bonterra Energy Corp.	96.5%	-0.2%	7,805.1	24	6,119.3	24	1,685.8	24	466,790.5	222,307.0
TORC Oil & Gas Ltd.	86.5%	7.2%	9,376.6	19	7,706.5	17	1,670.1	25	215,940.9	69,242.0
SUBTOTAL			**562,094.4**		**180,279.7**		**381,814.7**		**43,481,141.9**	**10,150,036.5**
% OF PROVINCIAL TOTAL			**61.6%**		**37.0%**		**89.5%**		**47.9%**	**49.2%**

[1] Caution is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments.

[redacted]

COMPANY	GAS CONS	GAS CONS CHANGE	GAS FLARED + VENTED (1000 m^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m^3)	FLARE RANK	GAS VENTED (1000 m^3)	VENT RANK	OIL PROD (m^3)	GAS to OIL PROD (1000 m^3)
Questfire Energy Corp	97.7%	3.5%	3260.3	116	4230.2	111	167.8	98	13,464.1	25,772.4
Next Rock Resources Ltd.	7.3%	-39.4%	3503.4	1107	--	260	3503.4	53	2,082.6	637.3
Grandline Energy Corp.	97.8%	-1.3%	3358.3	1110	3852.5	1107	176.8	94	6,033.5	4,577.1
Saltstream Energy Corporation	33.7%	NA	3351.5	1110	1403.5	1103	388.3	65	3,841.0	852.2
Wolf Coulee Resources Inc.	98.3%	3.5%	3344.8	1109	4512.4	1107	132.4	1107	15,653.0	13,737.0
Canuck North Resources Ltd.	32.2%	5.7%	4356.4	1071	1107.1	1100	3502.5	64	1,749.5	622.9
Legacy Oil + Gas Inc.	99.2%	3.3%	4344.4	1072	4334.2	1113	60.2	1107	169,320.9	58,656.5
1318701 Alberta Ltd.	28.3%	28.0%	4291.7	1073	4291.7	1103	--	265	8,252.7	668.9
Vesta Energy Ltd.	95.8%	-3.4%	4260.4	1089	3295.8	1,20	1403.6	1035	11,3380.4	10,0471.0
Longview Oil Corp.	97.7%	-3.3%	4172.8	1095	3351.3	1,23	1152.5	1031	38,252.3	35,6467.8
CS Energy Canada Resources Partnership	98.8%	-3.4%	4068.7	1096	4032.5	1113	65.2	1,38	111,265.3	43,6937.5
Ravenwood Energy Corp.	99.4%	3.1%	4065.3	1097	4031.3	1114	64.9	1,39	62,6259.1	72,1135.0
BL2 Energy Ltd.	3.0%	3.0%	4058.3	1098	4058.3	1105	--	265	2,4110.2	4058.3
Bow River Energy Ltd.	49.0%	NA	4058.3	1099	4057.8	1106	0.2	263	25,4059.8	3936.9
Petrus Resources Ltd.	99.1%	3.3%	4052.6	1100	4052.2	1108	0.4	261	71,1803.2	49,3688.3
Cyathix Exploration and Production Ltd.	92.2%	-7.3%	4048.4	1101	4048.4	1109	--	265	5,6521.0	5,7134.6
Shell Canada Energy	99.9%	3.1%	4030.7	1102	3959.7	1118	71.0	1,34	1,3891,6023.3	1185,2778.9
Redlegion Oil Corp.	97.9%	-2.5%	4027.5	1103	1159.7	1091	2917.8	67	38,6344.5	17,1982.2
Trapon Oil Operations Ltd.	97.4%	-3.1%	4021.2	1104	2537.2	1,05	1484.0	89	45,3204.5	16,0309.8
Hyperion Exploration Corp.	99.8%	3.1%	4015.3	1105	2736.1	1,08	1179.8	93	8,4115.7	6,6857.7
Wise Valley Energy Corp.	71.9%	35.0%	4011.0	1106	3955.3	1113	24.5	1102	1,1361.1	1,4844.0
Velvet Energy Ltd.	99.3%	1.4%	4003.0	1107	2355.2	1,39	1747.8	96	43,9851.8	36,7699.0
White Rain Resources Ltd.	47.7%	2.8%	4002.5	1108	1.0	275	3999.5	62	2,3662.8	765.5
ConocoPhillips Canada Resources Corp.	98.4%	-3.7%	3995.3	1109	3977.8	1,25	91.9	1,22	1,4891,9892.2	24,9412.1
Ruby Vue Transition Oil And Gas, Inc.	92.2%	-3.7%	3977.8	1110	3966.3	1113	11.1	1104	15,4231.2	5,3246.5
Bulls Energy Inc.	3.0%	3.0%	3964.4	1111	--	265	3964.4	53	218.2	3964.4
XTO Energy Canada	99.8%	-2.5%	3774.7	1112	3118.7	1,24	656.0	1102	33,6460.1	10,3696.9
ExxonMobil Canada Ltd. & ExxonMobil Resources Comp.	99.7%	3.4%	3668.7	1113	1444.9	1188	2223.8	81	275,3827.1	1,27,3697.3
Crayolla Energy Inc.	99.7%	3.5%	3656.4	1114	1495.3	1107	1661.1	89	28,1204.6	1139,4631.1
Long Term Asset Management Inc.	73.3%	9.8%	3613.8	1115	3462.5	1113	11.3	2512	2,7395.6	1,1127.1
Rotorblade Resources Ltd.	93.0%	-2.2%	3591.7	1116	3575.0	1,22	6.7	2229	3,6713.4	4,7651.7
Japex Canada Oil Sands Limited	92.9%	-1.8%	3559.6	1117	3559.6	1,21	--	265	592,7577.0	3,4118.3
Hemingham Energy Corporation	99.3%	14.2%	3519.6	1118	3512.1	1,25	1.5	2510	33,1398.3	5,5391.8
Summerland Energy Inc.	98.2%	-3.5%	3512.1	1119	2719.3	1,23	23.8	1178	17,1627.1	8,1651.1
Rebel Exploration Ltd.	93.7%	3.4%	3511.7	1120	35.7	2402	2531.0	71	5,3839.3	4,5773.2
Commander Oil And Gas Limited	98.4%	3.4%	3506.9	1121	3506.9	1,27	--	265	635,3251.8	18,1662.9
Patronin Resources Ltd.	67.1%	9.8%	3500.9	1122	0.1	2512	3500.7	72	1,3239.9	6894.9
Raiden Energy Inc.	99.4%	-31.5%	3500.5	1123	--	265	3500.5	73	6,4483.9	6923.8
Perpetual Energy Inc.	3.0%	-11.2%	3498.3	1124	2498.3	1,16	--	265	3531.6	3498.3
Wolfsky Oil & Gas Limited	18.8%	-2.8%	3357.9	1125	--	265	--	74	1,1373.9	3546.5

[1] Caution is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments.

COMPANY	GAS CONS	GAS CONS CHANGE	GAS FLARED + VENTED ($1000 m^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 m^3$)	FLARE RANK	GAS VENTED ($1000 m^3$)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD ($1000 m^3$)
Beringer Energy Inc.	96.3%	-3.3%	287.2	**156**	277.6	131	9.6	224	6,568.0	7,731.2
Second Wave Petroleum Inc.	98.7%	0.0%	284.7	**157**	181.4	153	103.3	116	25,606.0	21,453.4
Petro Viking Management Corp.	41.6%	-11.1%	277.6	**158**	277.5	132	0.1	264	1,808.1	475.4
Zeal Energy Inc.	41.1%	-17.4%	276.9	**159**	-	283	276.9	75	1,138.7	470.4
Sojourn Energy Inc.	0.0%	0.0%	272.5	**160**	-	283	272.5	77	10,607.7	272.5
Convega Energy Ltd.	86.3%	-9.1%	271.8	**161**	271.8	134	-	265	1,393.1	1,985.9
Hilic Energy Ltd.	96.7%	65.1%	268.6	**162**	232.2	140	36.4	176	24,330.5	8,150.0
Firenze Energy Ltd.	88.0%	-6.6%	264.6	**163**	192.1	148	72.5	133	26,606.6	2,200.7
Regent Resources Ltd.	97.4%	-1.3%	258.3	**164**	219.3	144	39.0	172	26,795.0	9,854.2
Taku Gas Limited	26.1%	-16.1%	255.8	**165**	46.9	220	208.9	83	6,274.0	346.0
Grandview Exploration Inc.	54.2%	-16.1%	254.9	**166**	254.9	136	-	265	8,199.6	556.7
Insignia Energy Ltd.	97.6%	-0.7%	247.9	**167**	183.8	152	64.1	141	12,569.9	10,505.9
Cequence Energy Ltd.	97.3%	1.3%	246.4	**168**	186.0	151	60.4	146	6,154.9	9,136.2
Rockeast Energy Corp.	0.0%	N/A	242.0	**169**	242.0	137	-	265	2,708.0	242.0
Scollard Energy Inc.	98.8%	-0.9%	241.3	**170**	227.9	141	13.4	215	12,570.7	19,657.4
Terra Energy Corp.	87.5%	1.7%	241.1	**171**	223.3	142	17.8	206	9,269.4	1,932.5
KI Exploration Inc.	87.4%	-4.3%	240.9	**172**	17.8	244	223.1	82	2,342.9	1,915.5
Copper Island Resources Ltd.	89.9%	-3.7%	238.8	**173**	-	283	238.8	80	4,312.5	2,359.3
Superman Resources Inc.	96.6%	-3.2%	237.4	**174**	141.4	170	96.0	121	6,888.6	7,025.6
Westdrum Energy Ltd.	76.3%	-10.3%	231.2	**175**	199.7	146	31.5	181	2,453.4	976.6
Ember Resources Inc.	93.1%	0.6%	228.1	**176**	25.9	238	202.2	87	7,304.5	3,316.1
Ikkuma Resources Corp.	95.2%	N/A	224.2	**177**	162.9	159	61.3	144	4,379.1	4,632.5
Sekur Energy Management Corp.	52.9%	-1.6%	223.2	**178**	107.8	183	115.4	112	5,105.6	473.9
97837 Resources Ltd.	29.4%	0.0%	222.1	**179**	220.9	143	1.2	253	695.6	314.5
Sun Century Petroleum Corporation	71.2%	0.4%	218.6	**180**	202.8	145	15.8	211	6,927.6	757.9
Coastal Resources Limited	84.5%	-4.3%	212.7	**181**	155.6	162	57.1	151	9,492.7	1,369.7
Predator Oil Ltd.	17.4%	-78.3%	211.7	**182**	150.0	164	61.7	143	7,073.8	256.3
Renergy Petroleum (Canada) Co., Ltd.	0.0%	N/A	205.7	**183**	-	283	205.7	84	4,420.2	205.7
3855417 Alberta Ltd.	65.9%	-18.8%	205.4	**184**	-	283	205.4	85	1,993.5	601.9
Dark Warrior Resources Ltd.	0.0%	0.0%	202.6	**185**	-	283	202.6	86	3,557.1	202.6
Freehold Royalties Ltd.	86.1%	86.1%	196.6	**186**	-	283	196.6	88	2,102.2	1,413.0
Anterra Energy Inc.	97.3%	-0.2%	194.5	**187**	176.5	154	18.0	205	32,966.7	7,227.6
Tourmaline Oil Corp.	99.6%	4.7%	192.9	**188**	192.1	148	0.8	257	44,023.5	47,000.4
Panam Energy Services Ltd.	39.9%	N/A	188.7	**189**	115.8	177	72.9	132	1,016.9	313.9
Trident Exploration (wx) Corp.	95.4%	N/A	187.9	**190**	186.9	150	1.0	255	4,629.2	4,065.9
Exall Energy Corporation	95.7%	-1.8%	181.5	**191**	91.4	194	90.1	124	55,198.6	4,228.9
Westbrick Energy Ltd.	99.5%	2.3%	181.2	**192**	30.2	233	151.0	102	19,468.8	35,791.2
Border Petroleum Limited	0.1%	0.1%	180.7	**193**	57.9	214	122.8	109	1,439.3	180.9
Thoroughbred Energy Ltd.	9.8%	-52.4%	180.6	**194**	-	283	180.6	92	2,845.8	200.2
Direct Energy Marketing Limited	99.4%	-0.4%	178.7	**195**	167.6	156	11.1	220	23,654.7	27,487.5

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COMPANY	GAS CONS	GAS CONS CHANGE	GAS FLARED + VENTED ($1000\ m^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000\ m^3$)	FLARE RANK	GAS VENTED ($1000\ m^3$)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD ($1000\ m^3$)
Barnwell of Canada, Limited	69.9%	14.1%	176.7	**196**	163.9	158	12.8	216	3,782.3	586.3
Forent Energy Ltd.	89.6%	3.0%	174.8	**197**	115.6	178	59.2	148	7,162.2	1,682.1
Alberta Petroleum Energy Limited	8.1%	0.5%	172.3	**198**	131.8	173	40.5	169	3,636.1	187.5
Venturion Oil Limited	98.1%	3.3%	168.0	**199**	168.0	155	-	265	92,262.8	8,979.7
Statoil Canada Ltd.	95.5%	-0.1%	162.0	**200**	162.0	160	-	265	769,703.3	3,564.1
Canadian Coyote Energy Ltd.	95.2%	-2.1%	160.2	**201**	159.1	161	1.1	254	11,413.0	3,324.0
Path Resources Ltd.	51.0%	-30.6%	156.7	**202**	154.0	163	2.7	241	1,558.5	319.5
Clampett Energy Ltd.	26.9%	-2.2%	152.7	**203**	103.8	188	48.9	162	2,091.4	208.9
Jupiter Resources Inc.	96.9%	N/A	151.1	**204**	9.8	255	141.3	106	3,496.9	4,805.7
Teric Power Ltd.	24.3%	N/A	150.5	**205**	146.9	167	3.6	236	202.8	198.8
Redwater Energy Corp.	92.6%	-6.0%	149.6	**206**	108.2	182	41.4	168	7,382.7	2,011.9
Edge Resources Inc.	35.4%	-64.6%	149.0	**207**	147.4	166	1.6	249	4,708.7	230.7
Striker Exploration Corp.	97.1%	N/A	148.5	**208**	148.5	165	-	265	9,154.3	5,133.1
Grizzly Resources Ltd.	0.0%	N/A	145.2	**209**	-	283	145.2	104	12,286.6	145.2
Fogo Energy Corp.	13.6%	-2.8%	140.0	**210**	129.2	174	10.8	221	1,217.4	162.1
Enhance Energy Inc.	99.4%	0.3%	136.2	**211**	135.9	171	0.3	262	59,949.0	23,355.9
Sabanero Energy Corp.	65.1%	-9.3%	135.7	**212**	133.4	172	2.3	242	3,048.3	388.7
Shackleton Exploration Ltd.	99.4%	-0.6%	131.5	**213**	106.3	186	25.2	191	17,956.8	21,140.3
Advance Drilling Ltd.	76.5%	N/A	131.2	**214**	110.9	179	20.3	201	3,339.4	557.6
Coda Petroleum Inc.	98.1%	10.5%	131.0	**215**	64.0	210	67.0	136	16,787.8	6,920.3
Iberdrola Canada Energy Services Ltd.	99.8%	0.0%	129.5	**216**	-	283	129.5	107	3,185.1	58,203.0
Raging River Exploration Inc.	0.0%	N/A	128.4	**217**	88.2	196	40.2	170	187.8	128.4
Standard Exploration Ltd.	46.0%	5.2%	120.8	**218**	69.8	205	51.0	159	4,437.9	223.7
Kootenay Energy Inc.	48.6%	-41.8%	120.3	**219**	120.3	175	-	265	5,794.3	234.1
Dark Energy Ltd.	54.7%	-14.5%	119.1	**220**	-	283	119.1	110	6,399.8	263.1
Owl River Resources Ltd.	78.1%	3.2%	117.7	**221**	117.0	176	0.7	258	572.2	537.0
Croverro Energy Ltd.	0.0%	0.0%	114.2	**222**	-	283	114.2	113	4,448.4	114.2
Birchill Exploration Limited Partnership	99.4%	0.8%	113.8	**223**	110.3	180	3.5	237	7,804.0	18,806.3
Clearbrook Resources Inc.	86.7%	3.4%	107.2	**224**	101.6	191	5.6	233	4,102.4	806.3
Forge Petroleum Corporation	99.4%	4.4%	107.2	**224**	107.2	184	-	265	61,630.1	16,855.9
Alexander Oilfield Services Ltd.	77.7%	3.3%	105.6	**225**	105.6	187	-	265	1,074.4	474.4
Ener T Corporation	42.1%	0.8%	104.8	**226**	-	283	104.8	115	9,362.2	181.0
Ridal Resource Ltd.	0.0%	0.0%	103.0	**227**	-	283	103.0	117	1,700.7	103.0
Joli Fou Petroleums Ltd	28.9%	6.2%	102.8	**228**	102.1	190	0.7	258	2,065.7	144.5
Top Oil Production Ltd.	69.1%	-0.6%	102.7	**229**	-	283	102.7	118	1,008.7	332.6
Sydco Energy Inc.	98.4%	13.5%	102.3	**230**	102.3	189	-	265	2,294.7	6,196.0
Onstad Energy Corp.	7.3%	-4.9%	100.3	**231**	100.3	192	-	265	1,344.2	108.2
Shield Energy Ltd.	95.1%	N/A	97.4	**232**	84.7	199	12.7	217	3,293.3	1,996.1
Brahma Resources Ltd.	66.3%	66.3%	95.4	**233**	27.3	236	68.1	135	12,326.6	282.8
Ribbon Creek Resources Inc.	97.2%	1.6%	92.9	**234**	69.3	207	23.6	194	3,637.3	3,337.2

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COMPANY	GAS CONS	GAS CONS CHANGE	GAS FLARED + VENTED (1000 m³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m³)	FLARE RANK	GAS VENTED (1000 m³)	VENT RANK	OIL PROD (m³)	SOL'N GAS PROD (1000 m³)
Santonia Energy Inc.	93.6%	-3.0%	91.5	238	91.5	193	-	265	3,490.4	1,429.3
Derrick Petroleum Ltd.	68.7%	-13.5%	91.3	239	-	283	91.3	123	1,221.2	291.7
Goodland Energy Ltd.	57.9%	36.5%	90.0	237	41.9	222	48.1	163	2,684.8	213.9
Executive Adventures 2006 Inc.	46.2%	N/A	88.8	238	88.8	195	-	265	626.7	171.3
Bumper Development Corporation Ltd.	98.9%	2.0%	88.7	239	-	283	88.7	125	6,399.8	8,014.8
New North Resources Ltd.	90.3%	0.8%	87.7	240	-	283	87.7	126	1,453.8	968.5
Keyera Energy Ltd.	99.9%	99.9%	87.0	241	87.0	197	-	265	16,132.0	98,584.6
Dirham Oil (2000) Inc.	0.0%	0.0%	85.0	242	85.0	198	-	265	210.2	85.0
Qwest Diversified Capital Corporation	94.2%	-5.8%	84.0	243	83.7	200	0.3	262	1,459.4	1,444.1
Regco Petroleums Ltd.	0.0%	0.0%	82.8	244	82.8	201	-	265	1,228.1	82.8
Dewpoint Resources Ltd.	0.0%	0.0%	81.8	245	81.8	202	-	265	514.1	81.8
Beaver Lake Resources Corporation	0.0%	0.0%	81.0	246	81.0	203	-	265	668.8	81.0
Inception Exploration Ltd.	99.2%	4.0%	80.0	247	25.8	239	54.2	153	3,918.0	9,441.0
Kairos Resources (2011) Ltd.	0.0%	0.0%	79.9	248	-	283	79.9	129	1,231.7	79.9
BDJ Energy Inc.	95.2%	N/A	78.9	249	78.9	204	-	265	9,973.8	1,647.9
TimberRock Energy Corp.	96.2%	34.4%	78.3	250	69.5	206	8.8	226	3,113.1	2,061.9
Silver Blaze Energy Ltd.	65.0%	-9.6%	77.5	251	-	283	77.5	130	425.2	221.1
Whitehall Energy Ltd.	75.5%	1.2%	75.3	252	-	283	75.3	131	4,204.7	306.8
Magnum Energy Inc.	81.3%	8.2%	74.5	253	47.6	219	26.9	187	2,702.8	397.3
Alder Ridge Resources Ltd.	97.9%	N/A	71.5	254	6.8	260	64.7	140	4,974.3	3,395.9
Kelt Exploration (LNG) Ltd.	99.3%	N/A	69.2	255	52.4	218	16.8	209	38,599.0	10,506.2
Toro Oil & Gas Ltd.	8.2%	N/A	68.2	256	68.2	208	-	265	2,210.9	74.3
Ouro Preto Resources Inc.	0.0%	N/A	67.5	257	62.8	211	4.7	234	3,056.8	67.5
Indra Oil & Gas Ltd.	0.0%	0.0%	66.0	258	47.6	219	18.4	204	1,542.8	66.0
Capio Exploration Ltd.	99.8%	0.0%	65.5	259	65.5	209	-	265	39,063.6	33,627.3
NEO Exploration Inc.	79.4%	-0.5%	64.4	260	29.4	234	35.0	177	2,364.2	312.7
Windtalker Energy Corp.	95.2%	1.7%	62.5	261	-	283	62.5	142	54,581.2	1,301.0
Brevia Energy Inc.	96.2%	2.9%	61.5	262	61.5	212	-	265	13,158.1	1,618.1
Sharpet Resources Ltd.	77.0%	-2.6%	58.8	263	-	283	58.8	149	1,457.1	255.1
Lockwood Resources Ltd.	0.0%	0.0%	57.5	264	55.8	215	1.7	248	1,154.2	57.5
Wilcox Energy Corp.	46.4%	-8.9%	56.0	265	3.2	268	52.8	156	1,010.9	104.4
Sanford Petroleum Ltd.	0.0%	0.0%	54.2	266	-	283	54.2	153	2,083.4	54.2
Deckland Inc.	92.8%	-6.4%	53.7	267	-	283	53.7	154	1,326.4	741.5
Success Resources Ltd.	97.7%	-1.6%	53.6	268	53.6	216	-	265	2,652.1	2,294.2
Caltex Resources Ltd.	89.9%	-10.1%	53.5	269	-	283	53.5	155	1,479.7	528.2
Benjaka Exploration Inc.	43.4%	8.2%	53.0	270	53.0	217	-	265	291.8	93.7
Canadian Quantum Energy Corporation	0.0%	N/A	52.2	271	-	283	52.2	158	117.7	52.2
Surat Energy Inc.	0.0%	0.0%	50.7	272	31.4	232	19.3	203	1,089.1	50.7
Golden Spike Energy Inc.	26.1%	-4.0%	49.3	273	-	283	49.3	161	463.9	66.7
Range 3 Inc.	24.9%	N/A	48.0	274	-	283	48.0	164	142.0	63.9

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Concerto Resources Ltd.	51.9%	4.9%	47.3	478	17.3	146	30.1	164	805.1	98.1
KCN Resources Ltd.	97.5%	4.0%	44.4	478	--	263	44.4	165	1,099.0	1,745.1
Accurate Energy Solutions Ltd.	0.0%	N/A	43.8	477	--	263	43.8	166	--	--
Claim Production Corp.	95.3%	N/A	42.9	476	42.9	221	--	265	106,414.6	6,868.3
Westron Energy Corporation	98.4%	-2.3%	43.5	476	31.9	198	15.1	213	8,035.1	6,853.6
Wet, Inc.	98.7%	0.9%	41.8	456	--	263	41.8	167	525.2	1,266.3
Border Acquisition Corporation	94.3%	-2.3%	45.3	454	45.2	223	0.1	234	465.7	111.8
Bridgend Corporation	0.0%	0.0%	45.1	452	--	263	45.1	171	99.6	45.1
6119580 Alberta Inc.	0.0%	0.0%	38.7	434	--	263	38.7	172	4,348.3	38.7
Tylewood Limited	45.9%	-2.9%	38.0	434	--	263	38.0	174	3,463.8	988.6
Artisan Energy Corporation	95.4%	96.2%	37.1	434	37.1	238	--	265	2,999.8	803.3
South Ridge Management Ltd.	0.0%	0.0%	36.4	496	36.4	227	--	349	232.5	36.4
Sasstech Energy Inc.	0.0%	-4.3%	35.0	497	35.0	235	--	350	116.6	35.0
Spartan Energy Corp.	99.4%	-0.9%	34.2	459	34.2	236	--	349	27,945.7	5,815.7
Primrose Drilling Ventures Ltd.	0.0%	0.0%	50.8	488	0.0	276	50.8	183	414.8	50.8
Tuya Energy Corporation	0.0%	0.0%	33.8	458	33.8	236	--	349	101.3	33.8
Sundance Energy Corporation	0.0%	0.0%	32.9	491	13.0	248	19.8	252	70.5	32.9
Raimount Energy Inc.	0.0%	0.0%	31.8	452	31.5	231	0.1	264	111.8	31.8
Aeronic Petroleum Ltd.	0.0%	0.0%	31.1	453	--	263	31.1	163	6,554.0	31.1
Runrupert Resources Ltd.	97.5%	-1.7%	38.7	456	38.7	248	--	268	2,946.7	1,116.7
South Bay Resources Canada, ULC	95.2%	95.5%	27.5	448	26.2	227	1.3	272	1,498.1	78.0
Gold Ridge Investments Corporation	0.0%	0.0%	27.0	496	--	263	27.0	196	103.9	27.0
Northern Spirit Resources Inc.	96.3%	96.4%	27.0	496	--	263	27.0	196	13,852.3	1,038.1
Crazy Hill Resources Ltd.	8.3%	8.3%	26.4	497	--	263	26.4	199	429.6	26.6
Rock Energy Inc.	99.4%	4.3%	36.4	497	--	263	36.4	198	8,731.3	2,364.6
ECO Canada Oil & Gas ULC	79.4%	N/A	36.3	496	15.9	246	11.3	219	853.0	127.9
Tallgrass Energy Corp.	93.9%	-3.8%	25.9	496	25.9	238	--	265	1,375.5	429.9
Sunshine Oilsands Ltd.	0.0%	0.0%	25.9	496	--	263	25.9	198	344.7	25.9
9452278 Alberta Limited	0.0%	0.0%	25.2	464	1.0	276	24.2	183	189.6	25.2
Peraka Resources Inc.	95.3%	4.7%	34.8	492	34.8	248	0.0	263	6,850.8	199.6
Alation Energy Inc.	99.0%	-3.8%	24.0	494	23.7	247	0.3	262	5,236.8	2,362.8
Petrosapta GP I Ltd.	98.3%	39.1%	23.6	496	--	263	23.6	194	14,256.8	1,277.5
Tower Ridge Enterprises Corp.	91.9%	12.3%	25.1	496	--	263	25.1	198	461.7	65.6
Highvale Operating Corp.	82.4%	9.4%	23.9	496	--	263	23.9	198	525.6	126.6
Sage Resources Ltd.	98.1%	3.3%	33.1	497	--	263	33.1	197	965.6	2,962.6
Tallahassee Resources Inc.	0.0%	0.0%	21.8	459	--	263	21.8	198	570.8	21.8
Crimson Oil & Gas Ltd.	98.4%	97.3%	25.6	496	--	263	25.6	200	6,643.7	177.1
Kerr's Sand Casting Ltd.	0.0%	0.0%	19.8	456	19.8	243	--	265	356.1	19.8
Rustum Petroleums Limited	57.5%	51.5%	18.1	391	4.6	265	13.5	214	3,474.8	42.9
Ingrant Exploration Ltd.	98.4%	N/A	17.3	459	--	263	17.3	209	6,364.8	1,961.7

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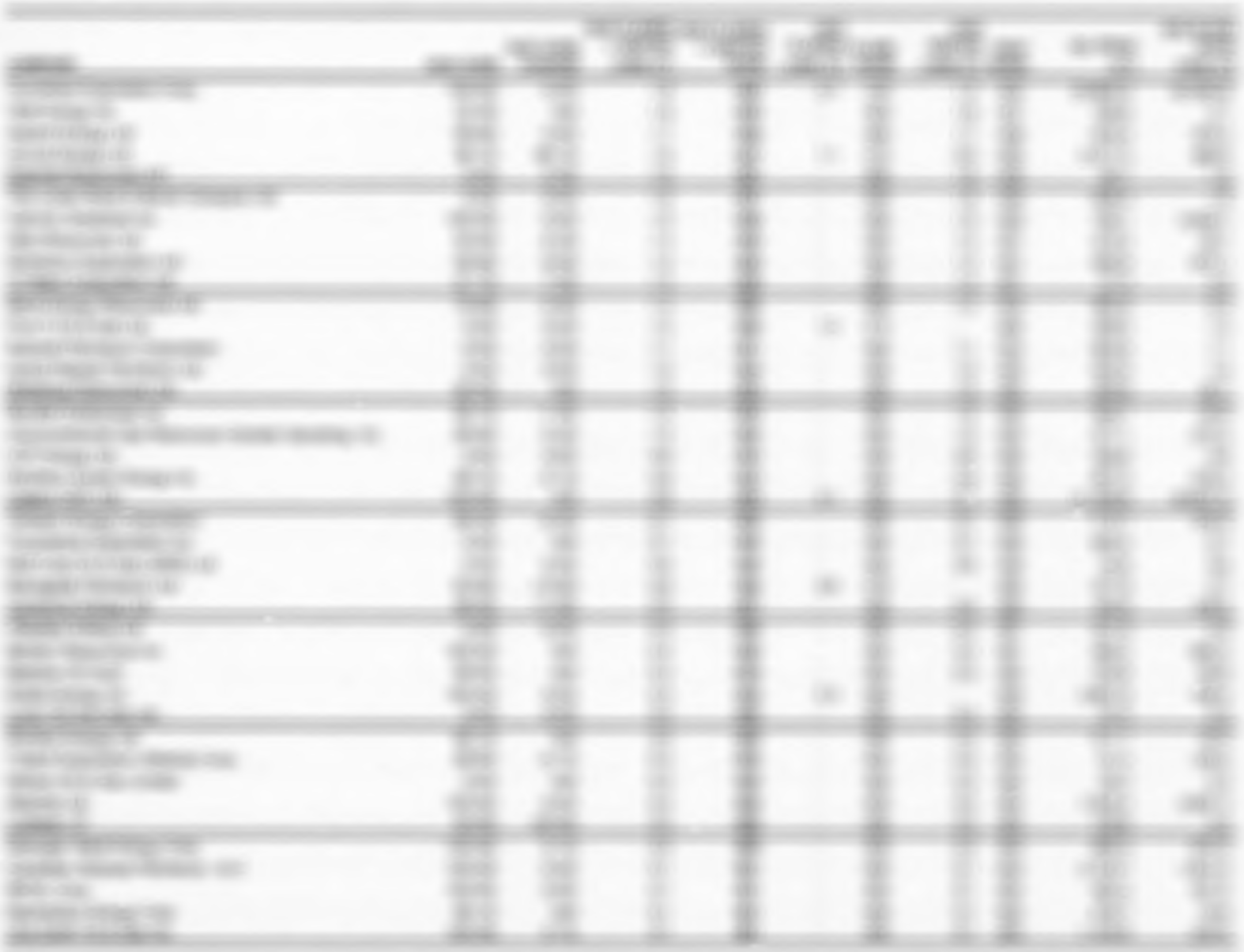

COMPANY	GAS CODE	GAS CODE CHANGE	GAS FLARED + VENTED (1000 m^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m^3)	GAS FLARE RANK	GAS VENTED (1000 m^3)	GAS VENT RANK	OIL PROD (m^3)	GAS TO OIL PROD (1000 m^3)
1288101 Alberta Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	739.9	947.3
Adonis Oil & Gas Limited	100.0%	0.0%	0.0	89.6	-	250	-	255	2,246.7	1,228.4
Aqua Terra Water Management Inc.	100.0%	N/A	0.0	89.6	-	250	-	255	107.9	21.6
Avalon Energy Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	234.8	13.8
Bay Trail Resources Ltd.	100.0%	N/A	0.0	89.6	-	250	-	255	177.6	15.9
Big Lake Energy Ltd.	0.0%	N/A	0.0	89.6	-	250	-	255	18.3	-
Birchwood Resources Inc.	0.0%	N/A	0.0	89.6	-	250	-	255	25.9	-
Blackhawk Resource Operating Corp.	100.0%	0.0%	0.0	89.6	-	250	-	255	792.9	15.6
Bounty Developments Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	45.1	1.5
Canyon Oil & Gas Corporation	100.0%	0.0%	0.0	89.6	-	250	-	255	77.6	543.7
Cava Energy Limited	-100.0%	-66.7%	0.0	89.6	-	250	-	255	597.3	2.4
Centennial Petroleum Company Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	540.9	1,189.7
CNPC International (Canada) Ltd.	0.0%	0.0%	0.0	89.6	-	250	-	255	172.2	-
Cone Energy Corp.	100.0%	N/A	0.0	89.6	-	250	-	255	640.7	1,256.3
Delphi Energy Corp.	100.0%	0.1%	0.0	89.6	-	250	-	255	11,552.7	10,434.9
Doag Energy Ltd.	0.0%	0.0%	0.0	89.6	-	250	-	255	14.0	-
Dolomite Energy Inc.	100.0%	0.0%	0.0	89.6	-	250	-	255	7,650.9	102.2
Enerplus Petroleum Corp.	100.0%	0.0%	0.0	89.6	-	250	-	255	333.7	7.7
Fairglenk Resources Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	1,312.9	598.1
Freemont Resources Ltd.	100.0%	16.2%	0.0	89.6	-	250	-	255	13,662.3	95.2
G. Harrison Group Inc.	100.0%	N/A	0.0	89.6	-	250	-	255	200.7	194.2
Gateway Petroleum Inc.	100.0%	0.0%	0.0	89.6	-	250	-	255	89.9	112.3
Golden Coast Energy Corp.	100.0%	0.0%	0.0	89.6	-	250	-	255	972.1	11.6
Hawk Exploration Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	13,102.1	1,443.7
International Frontier Resources Corporation	100.0%	0.0%	0.0	89.6	-	250	-	255	2,424.1	197.1
Ish Energy Ltd.	100.0%	1.1%	0.0	89.6	-	250	-	255	597.5	429.0
Knowledge Energy Inc.	100.0%	0.0%	0.0	89.6	-	250	-	255	807.6	3,833.2
Land Petroleum International Inc.	0.0%	0.0%	0.0	89.6	-	250	-	255	201.4	-
Logic Energy Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	12,426.4	11,112.6
Markstone Energy Inc.	100.0%	0.0%	0.0	89.6	-	250	-	255	15,589.2	21,179.4
Mask Energy Inc.	100.0%	0.0%	0.0	89.6	-	250	-	255	693.8	211.3
Mayan Energy (Operating) Ltd.	100.0%	N/A	0.0	89.6	-	250	-	255	467.6	1,146.9
Mayan Energy Ltd.	100.0%	N/A	0.0	89.6	-	250	-	255	201.8	255.6
Mika Resources Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	109.6	729.0
Murry Gilfeld Enterprises Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	131.3	3,081.2
Mount Oakville Energy Corp.	100.0%	0.0%	0.0	89.6	-	250	-	255	164.8	16.3
Northern Utilities (Gas) Ltd.	100.0%	0.0%	0.0	89.6	-	250	-	255	212.1	0.9
Nyla Exploration Company Inc.	100.0%	0.0%	0.0	89.6	-	250	-	255	265.7	54.1
Optimal Resources Inc.	100.0%	11.4%	0.0	89.6	-	250	-	255	86.3	27.4
Pennine Petroleum Corporation	100.0%	0.0%	0.0	89.6	-	250	-	255	907.3	9.2

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COMPANY	GAS CONS	GAS CONS CHANGE	GAS FLARED + VENTED (1000 m³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m³)	FLARE RANK	GAS VENTED (1000 m³)	VENT RANK	OIL PROD (m³)	SOL'N GAS PROD (1000 m³)
Petro Buyers Inc.	100.0%	8.7%	0.0	362	-	283	-	265	1,536.8	248.5
Peyto Exploration & Development Corp.	100.0%	1.9%	0.0	362	-	283	-	265	616.5	1,200.4
Pine Cliff Energy Ltd.	100.0%	0.0%	0.0	362	-	283	-	265	1,080.7	7,872.0
Revive Energy Corp	100.0%	0.0%	0.0	362	-	283	-	265	26.9	2.1
Rimfire Energy Inc.	100.0%	0.0%	0.0	362	-	283	-	265	1,844.0	1,838.3
Rockbridge Energy Alberta Inc.	100.0%	0.0%	0.0	362	-	283	-	265	177.1	118.2
Ruger Energy Inc.	100.0%	3.0%	0.0	362	-	283	-	265	281.1	56.5
Shapco Resources Ltd.	100.0%	0.0%	0.0	362	-	283	-	265	58.6	88.5
Silver Bay Resources Ltd.	100.0%	0.0%	0.0	362	-	283	-	265	305.7	387.8
Southern Pacific Resource Corp.	100.0%	0.0%	0.0	362	-	283	-	265	116,626.5	4,485.0
Steppe Petroleum Inc.	100.0%	N/A	0.0	362	-	283	-	265	4,829.6	829.6
Summerfield Energy Inc.	100.0%	0.0%	0.0	362	-	283	-	265	335.2	105.9
Sun Star Energy Inc.	100.0%	0.0%	0.0	362	-	283	-	265	499.9	698.7
Suncor Energy E&P Partnership	100.0%	0.9%	0.0	362	-	283	-	265	26,772.6	15,824.9
Unit 18 Corp.	100.0%	N/A	0.0	362	-	283	-	265	2,105.4	19.7
Western Plains Petroleum Ltd.	0.0%	0.0%	0.0	362	-	283	-	265	49.7	-
Westhill Resources Limited	100.0%	0.0%	0.0	362	-	283	-	265	478.0	4,305.4
WLA Investment Ltd.	100.0%	0.0%	0.0	362	-	283	-	265	1,563.6	484.4
Yoho Resources Inc.	100.0%	0.0%	0.0	362	-	283	-	265	198.9	1,576.8
Znx Energy Ltd.	100.0%	0.0%	0.0	362	-	283	-	265	1,916.4	1,722.6
PROVINCIAL TOTALS	**96.6%**		**913,207.3**		**486,701.7**		**426,505.6**		**90,761,512.2**	**20,641,083.7**

[1] Caution is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments.

FIELD CENTRE RANKING OF OPERATORS - 2014 FLARED + VENTED VOLUME[1]
BONNYVILLE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: June 2, 2015

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000\ m^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000\ m^3$)	FLARE RANK	GAS VENTED ($1000\ m^3$)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD ($1000\ m^3$)
Canadian Natural Resources Limited	79.4%	161,552.8	1	9,416.2	1	152,136.6	1	15,713,411.6	782,625.3
Husky Oil Operations Limited	73.6%	28,793.6	2	28.4	18	28,765.2	2	1,402,363.3	108,913.9
Devon Canada	78.1%	26,452.0	3	44.6	15	26,407.4	3	5,381,913.1	120,947.7
Twin Butte Energy Ltd.	39.1%	8,776.3	4	-	23	8,776.3	4	216,659.7	14,404.6
Cenovus Energy Inc.	68.1%	7,873.4	5	433.4	6	7,440.0	5	1,546,017.5	24,671.8
Cenovus FCCL Ltd.	98.5%	2,895.0	6	2,888.8	2	6.2	26	14,884,336.4	196,245.9
Imperial Oil Resources	99.4%	2,325.5	7	2,104.6	3	220.9	12	8,512,699.9	405,366.1
Laricina Energy Ltd.	70.3%	925.2	8	925.2	4	-	29	56,961.4	3,109.8
Blackpearl Resources Inc.	52.1%	806.1	9	242.6	11	563.5	7	84,286.6	1,683.4
Bernum Petroleum Ltd.	66.3%	700.8	10	680.2	5	20.6	23	14,114.6	2,079.4
Baytex Energy Ltd.	93.9%	634.0	11	49.3	14	584.7	6	85,138.4	10,406.2
Gear Energy Ltd.	91.2%	562.0	12	-	23	562.0	8	31,541.0	6,373.5
Bonavista Energy Corporation	85.6%	544.5	13	-	23	544.5	9	14,571.7	3,776.7
Japan Canada Oil Sands Limited	90.4%	329.6	14	329.6	7	-	29	332,757.0	3,418.3
ConocoPhillips Canada Resources Corp.	97.9%	307.6	15	307.6	8	-	29	1,470,192.6	14,659.6
Connacher Oil And Gas Limited	98.4%	304.9	16	304.9	9	-	29	820,325.8	18,592.9
Pengrowth Energy Corporation	66.8%	291.5	17	291.5	10	-	29	97,747.9	876.8
Petromin Resources Ltd.	0.0%	290.8	18	0.1	22	290.7	10	1,534.5	290.8
Kasten Energy Inc.	0.0%	289.5	19	-	23	289.5	11	3,890.0	289.5
Legacy Oil + Gas Inc.	96.0%	224.4	20	164.2	12	60.2	19	4,048.4	5,566.9
Renergy Petroleum (Canada) Co., Ltd.	0.0%	205.7	21	-	23	205.7	13	4,420.2	205.7
Statoil Canada Ltd.	95.5%	162.0	22	162.0	13	-	29	769,703.3	3,564.1
Bellatrix Exploration Ltd.	0.0%	103.1	23	-	23	103.1	14	2,270.9	103.1
Harvest Operations Corp.	93.7%	96.9	24	-	23	96.9	15	15,464.9	1,532.1
Signalta Resources Limited	11.5%	69.3	25	-	23	69.3	16	246.2	78.3
White Ram Resources Ltd.	30.0%	66.3	26	-	23	66.3	17	222.9	94.7
Windtalker Energy Corp.	95.2%	62.5	27	-	23	62.5	18	54,581.2	1,301.0
Rife Resources Ltd.	97.6%	51.2	28	-	23	51.2	20	50,473.3	2,142.9
Osum Production Corp.	99.3%	42.6	29	42.6	16	-	29	194,415.6	5,869.2
Perpetual Energy Operating Corp.	97.2%	33.4	30	29.5	17	3.9	28	917.2	1,199.6
Sunshine Oilsands Ltd.	0.0%	25.8	31	-	23	25.8	21	544.7	25.8
Spur Resources Ltd.	96.4%	23.4	32	-	23	23.4	22	10,924.6	642.0
Incipient Exploration Ltd.	9.9%	17.3	33	-	23	17.3	24	4,053.9	19.2
Suncor Energy Inc.	99.3%	10.2	34	10.2	19	-	29	1,550,681.1	1,550.5
Shell Canada Energy	99.9%	8.7	35	8.7	20	-	29	229,318.9	6,585.6

[1] Caution is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments.

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 m^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 m^3$)	FLARE RANK	GAS VENTED ($1000 m^3$)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD ($1000 m^3$)
Check Energy Ltd.	0.0%	8.4	36	-	23	8.4	25	982.0	8.4
XTO Energy Canada	99.2%	4.3	37	-	23	4.3	27	330.2	560.1
Grizzly Oil Sands ULC	98.5%	2.3	38	2.3	21	-	29	45,760.0	154.8
Birchwood Resources Inc.	0.0%	-	39	-	23	-	29	25.9	-
CNPC International (Canada) Ltd.	0.0%	-	39	-	23	-	29	172.2	-
Crew Energy Inc.	100.0%	-	39	-	23	-	29	112.7	12.9
Long Run Exploration Ltd.	100.0%	-	39	-	23	-	29	155.4	10.6
Palliser Oil & Gas Corporation	100.0%	-	39	-	23	-	29	55.0	3.1
Southern Pacific Resource Corp.	100.0%	-	39	-	23	-	29	116,626.5	4,485.0
TOTALS FOR BONNYVILLE	**86.0%**	**245,872.9**		**18,466.8**		**227,406.4**		**83,738,970.2**	**1,784,447.8**

[1] Caution is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments.

FIELD CENTRE RANKING OF OPERATORS - 2014 FLARED + VENTED VOLUME*
DRAYTON VALLEY CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: June 2, 2015

COMPANY	GAS CODE	GAS FLARED + VENTED (1000 m^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m^3)	FLARE RANK	GAS VENTED (1000 m^3)	VENT RANK	OIL PROD (m^3)	SOLUTION GAS PROD (1000 m^3)
Granite Oil Corp.	80.6%	6,136.9	1	2,135.8	1	4.1	75	271,874.4	66,424.6
Kontorre Energy Corp.	88.2%	7,210.5	2	5,670.7	2	1,539.8	2	458,276.6	169,607.7
Penn West Petroleum Ltd.	57.9%	6,562.0	3	1,814.1	9	4,747.9	1	761,174.5	307,285.4
Bellatrix Exploration Ltd.	68.4%	5,761.9	4	5,268.[illegible]	3	493.6	8	131,305.6	240,944.6
TORC Oil & Gas Ltd.	42.7%	5,618.3	5	2,923.6	5	1,112.8	4	121,245.4	46,231.3
Lightstream Resources Ltd.	68.4%	3,626.3	6	2,367.7	6	1,237.9	3	546,504.6	226,206.2
New Star Energy Ltd.	48.1%	3,071.7	7	2,912.1	4	159.6	23	97,135.5	165,388.6
Whitecap Resources Inc.	49.8%	2,562.9	8	1,354.3	10	1,208.2	5	264,334.2	167,398.6
Kingsmere Resources Ltd.	62.1%	2,503.5	9	2,107.1	7	396.4	11	32,858.3	6,613.3
Vermilion Energy Inc.	38.5%	2,482.0	10	1,716.8	11	965.1	6	527,436.4	175,178.1
Spruce Energy Inc.	52.2%	2,013.5	11	2,013.5	8	-	76	25,276.6	6,316.9
ARC Resources Ltd.	58.1%	1,375.4	12	1,078.4	14	297.0	13	532,951.8	153,674.5
Sinopec Daylight Energy Ltd.	48.2%	1,251.8	13	471.2	25	780.6	7	300,960.5	154,409.2
ConocoPhillips Canada (BRC) Partnership	38.8%	1,232.4	14	576.4	17	656.0	9	60,607.7	116,015.6
Chevrolux Energy Canada Ltd.	0.0%	1,205.9	15	1,205.9	12	-	76	3,447.9	1,998.4
Garrel Resources Ltd.	37.4%	1,098.3	16	1,098.3	13	-	76	1,272.7	1,744.2
TAQA North Ltd.	45.7%	1,016.1	17	825.9	15	192.6	19	46,191.9	76,676.7
Tamarack Acquisition Corp.	35.5%	836.4	18	452.2	24	404.2	10	28,765.4	16,475.6
Enerplus Corporation	34.9%	776.0	19	482.1	21	327.9	12	75,971.7	15,176.9
CNLEN Upstream Canada Ltd.	33.9%	696.9	20	696.9	16	-	76	4,602.7	11,374.4
Journey Energy Inc.	66.5%	611.3	21	374.9	28	237.4	16	82,037.6	101,217.0
NEP Canada ULC	76.0%	547.1	22	526.4	18	20.7	49	21,887.9	2,486.1
Exxon Energy Inc.	85.2%	539.4	23	539.4	19	-	76	16,024.7	13,063.6
Long Run Exploration Ltd.	39.5%	463.1	24	193.1	33	270.0	15	34,947.6	83,888.9
Seaplane Resources Corp.	11.9%	447.9	25	443.2	22	4.6	63	2,940.5	957.5
Baccalieu Energy Inc.	59.1%	435.4	26	138.7	41	296.7	14	75,977.3	47,276.2
Husky Oil Operations Limited	67.3%	349.3	27	285.3	30	65.0	32	26,195.3	14,148.9
Ravenwood Energy Corp.	45.5%	345.1	28	310.2	26	34.9	35	18,868.9	72,559.4
Crescita Energy Inc.	59.7%	335.4	29	169.3	37	166.1	20	28,534.6	108,481.1
Hyperion Exploration Corp.	46.9%	334.5	30	296.1	29	38.4	34	5,236.6	17,643.6
Sino-Western Petroleum, Inc.	0.0%	325.3	31	236.5	31	88.8	29	1,356.3	324.3
Canadian Natural Resources Limited	97.5%	280.0	32	172.8	36	116.1	27	23,942.6	11,797.6
Questfire Energy Corp.	17.9%	269.0	33	269.0	27	-	76	447.5	852.7
Baringer Energy Inc.	96.3%	267.2	34	277.6	38	9.6	56	4,568.0	7,731.2
InPlay Oil Corp.	94.7%	246.0	35	133.6	43	112.4	26	27,477.2	4,031.6

* Caution is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments.

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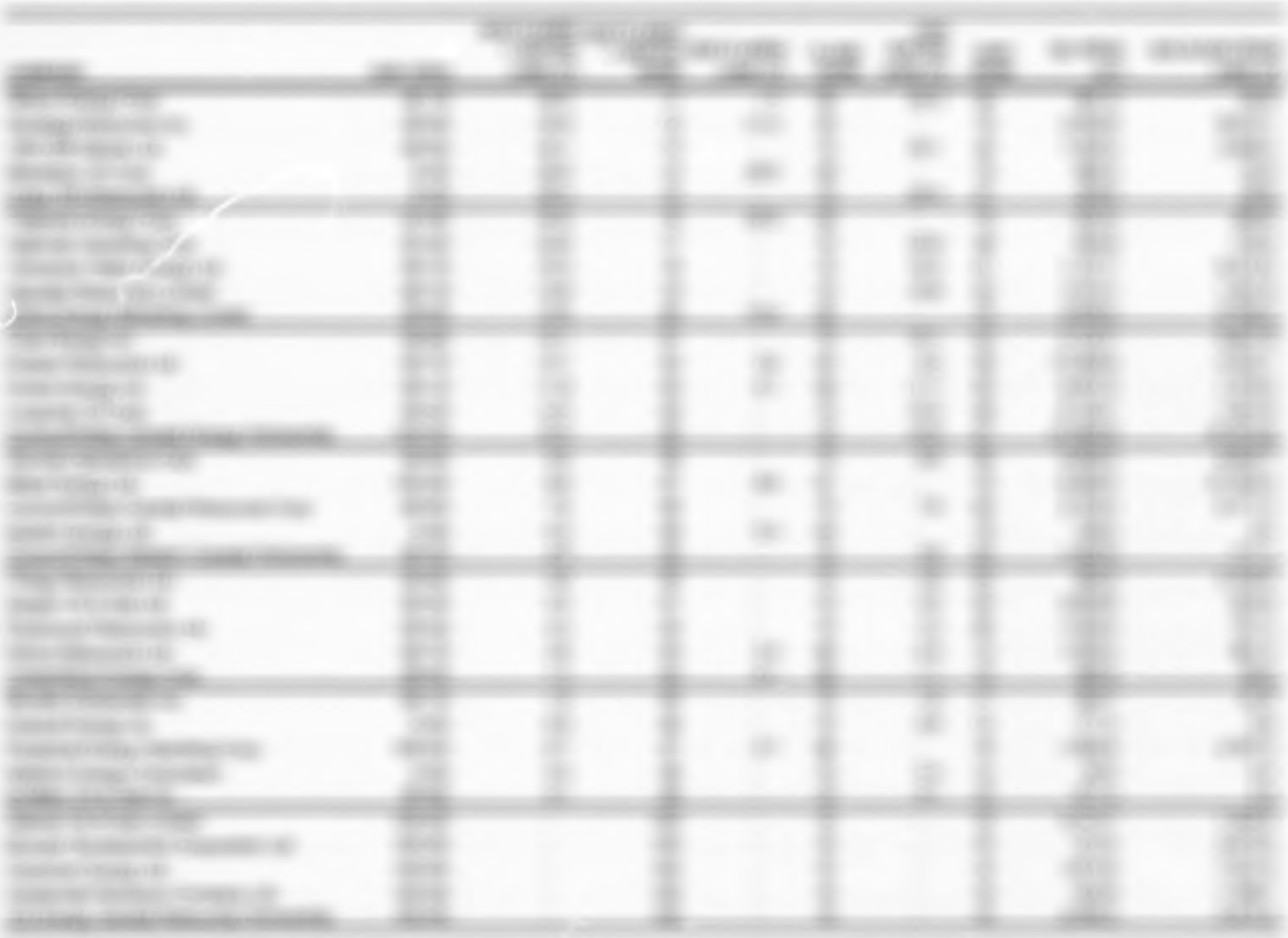

COMPANY	GAS CONS	GAS FLARED + VENTED (1000 m^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m^3)	FLARE RANK	GAS VENTED (1000 m^3)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD (1000 m^3)
Delphi Energy Corp.	100.0%	-	100	-	70	-	76	656.4	1,662.7
Encana Corporation	100.0%	-	100	-	70	-	76	3,762.6	2,477.0
Executive Adventures 2008 Inc.	100.0%	-	100	-	70	-	73	88.4	82.5
Icewest Exploration Ltd.	100.0%	-	100	-	70	-	76	2,218.2	2,964.4
Ish Energy Ltd.	100.0%	-	100	-	70	-	76	85.7	407.7
Land Petroleum International Inc.	0.0%	-	100	-	70	-	76	191.7	-
Madalena Energy Inc.	100.0%	-	100	-	70	-	76	15,259.9	20,995.3
Manitok Energy Inc.	100.0%	-	100	-	70	-	76	346.6	486.7
Mapen Energy (Operating) Ltd.	100.0%	-	100	-	70	-	76	467.6	1,146.9
Mapen Energy Ltd.	100.0%	-	100	-	70	-	76	201.8	355.6
Mirada Energy Ltd.	100.0%	-	100	-	70	-	76	12,795.7	6,510.4
Mount Dakota Energy Corp.	100.0%	-	100	-	70	-	76	184.8	16.5
Nexacrone Energy Corporation	100.0%	-	100	-	70	-	76	94.1	88.3
Petro Buyers Inc.	100.0%	-	100	-	70	-	76	1,536.9	249.5
Pine Cliff Energy Ltd.	100.0%	-	100	-	70	-	76	1,080.7	7,672.0
Quest Diversified Capital Corporation	100.0%	-	100	-	70	-	76	18.2	95.2
Regent Resources Ltd.	100.0%	-	100	-	70	-	76	103.5	209.9
Renlite Energy Inc.	100.0%	-	100	-	70	-	76	957.7	1,373.2
Shell Canada Energy	100.0%	-	100	-	70	-	76	2,391.1	8,012.8
Stonegate Energy Ltd.	100.0%	-	100	-	70	-	76	364.4	791.7
Superman Resources Inc.	100.0%	-	100	-	70	-	76	250.8	318.7
Surge Energy Inc.	100.0%	-	100	-	70	-	76	7,512.3	1,618.6
Tourmaline Oil Corp.	0.0%	-	100	-	70	-	76	1.5	-
WLA Investment Ltd.	100.0%	-	100	-	70	-	76	1,563.6	454.4
XTO Energy Canada	100.0%	-	100	-	70	-	76	481.0	563.2
TOTALS FOR 2008 FOR 2009 VALUE*	**98.1%**	**46,600.2**		**40,399.8**		**10,000.4**		**5,868,893.8**	**3,520,678.5**

* Caution is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments.

FIELD CENTRE RANKING OF OPERATORS - 2014 FLARED + VENTED VOLUME[1]
GRANDE PRAIRIE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: June 2, 2015

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 m^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 m^3$)	FLARE RANK	GAS VENTED ($1000 m^3$)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD ($1000 m^3$)
Baytex Energy Ltd.	79.8%	31,812.3	1	31,734.3	1	78.0	31	1,407,955.0	157,719.2
Penn West Petroleum Ltd.	39.8%	15,893.9	2	15,740.3	2	153.6	20	226,091.2	26,392.6
Canadian International Oil Operating Corp.	91.9%	8,759.4	3	8,520.5	3	238.9	12	68,099.3	108,499.2
Mancal Energy Inc.	80.5%	7,298.8	4	6,582.0	4	716.8	5	102,665.6	37,327.6
Canadian Natural Resources Limited	99.2%	7,157.9	5	5,814.7	6	1,343.2	1	1,193,330.4	872,476.4
High North Resources Ltd.	5.1%	6,385.1	6	6,385.1	5	-	77	15,686.2	6,726.7
Encana Corporation	99.2%	5,932.0	7	5,484.5	7	447.5	6	406,063.1	721,867.8
Long Run Exploration Ltd.	97.8%	5,378.1	8	5,145.8	8	232.3	13	391,238.4	248,879.6
Kelt Exploration Ltd.	97.4%	4,654.3	9	4,527.0	9	127.3	23	193,588.1	177,350.0
Surge Energy Inc.	96.9%	4,290.7	10	4,262.1	10	28.6	40	133,461.4	139,884.3
Chinook Energy Inc.	94.6%	3,210.0	11	2,887.6	11	322.4	10	82,262.8	58,988.0
ARC Resources Ltd.	99.4%	3,097.1	12	2,798.9	12	298.2	11	469,841.3	533,858.8
Trilogy Resources Ltd.	94.9%	2,411.0	13	2,328.2	13	82.8	28	84,404.1	47,135.0
TAQA North Ltd.	95.4%	2,053.0	14	1,661.9	14	391.1	8	37,785.9	44,892.0
Progress Energy Canada Ltd.	98.8%	1,917.5	15	997.6	26	919.9	3	178,860.1	159,998.9
Whitecap Resources Inc.	98.4%	1,767.1	16	1,641.3	15	125.8	24	171,120.8	107,441.1
Murphy Oil Company Ltd.	56.7%	1,680.5	17	1,278.3	17	402.2	7	30,663.5	3,880.8
Exshaw Oil Corp.	99.4%	1,603.8	18	1,603.8	16	-	77	204,775.5	282,518.4
Husky Oil Operations Limited	99.3%	1,575.1	19	536.7	32	1,038.4	2	146,189.5	238,111.7
Enerplus Corporation	95.7%	1,352.5	20	1,271.9	18	80.6	30	48,542.8	31,460.8
Mosaic Energy Ltd.	97.5%	1,289.2	21	480.4	35	808.8	4	26,230.8	51,016.7
Canamax Energy Ltd.	72.8%	1,195.4	22	1,023.4	24	172.0	18	12,637.5	4,391.2
Birchcliff Energy Ltd.	99.2%	1,154.9	23	1,117.8	20	37.1	39	214,038.5	149,402.9
Flow-Back Oil & Gas Ltd.	21.6%	1,143.4	24	1,143.4	19	-	77	827.5	1,458.1
Omers Energy Inc.	94.6%	1,115.4	25	1,112.5	21	2.9	63	15,029.5	20,625.4
Rife Resources Ltd.	95.0%	1,065.4	26	1,040.2	23	25.2	42	3,353.8	21,446.3
Glenogle Energy Inc.	96.8%	1,043.7	27	1,043.7	22	-	77	33,064.2	33,053.9
Shiningstar Energy Ltd.	97.3%	1,011.7	28	1,011.7	25	-	77	27,771.0	37,608.0
Harvest Operations Corp.	96.4%	996.1	29	803.1	29	193.0	16	81,849.4	27,309.2
Sinopec Daylight Energy Ltd.	94.2%	907.4	30	849.5	28	57.9	35	23,366.0	15,732.7
ConocoPhillips Canada Energy Partnership	89.7%	878.9	31	865.8	27	13.1	53	6,091.8	8,547.4
Crew Energy Inc.	30.2%	632.1	32	629.0	30	3.1	62	1,926.5	905.8
RMP Energy Inc.	99.8%	596.2	33	578.1	31	18.1	49	358,261.5	244,973.1
Crescent Point Energy Corp.	97.0%	526.6	34	526.6	33	-	77	37,781.5	17,592.0
Paramount Resources Ltd.	96.3%	525.3	35	520.5	34	4.8	60	9,392.9	14,203.9

[1] Caution is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments.

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000\ m^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000\ m^3$)	FLARE RANK	GAS VENTED ($1000\ m^3$)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD ($1000\ m^3$)
Bonavista Energy Corporation	97.3%	516.6	36	294.4	40	222.2	15	45,977.7	19,126.0
ConocoPhillips Canada (BRC) Partnership	99.6%	504.5	37	159.2	52	345.3	9	72,646.4	120,465.2
Shoreline Energy Corp.	89.1%	492.6	38	382.5	37	110.1	26	4,870.2	4,510.4
Petrus Resources Ltd.	99.1%	449.8	39	449.8	36	-	77	70,358.0	47,387.0
EOG Resources Canada Inc.	73.5%	443.7	40	324.9	39	118.8	25	6,180.0	1,672.9
Shell Canada Energy	98.8%	422.0	41	351.0	38	71.0	33	356,030.6	35,373.4
Perpetual Energy Inc.	0.0%	288.3	42	288.3	41	-	77	301.6	288.3
Bering Exploration Company, ULC	0.0%	272.2	43	84.8	64	187.4	17	4,972.7	272.2
Cequence Energy Ltd.	97.3%	246.4	44	186.0	46	60.4	34	6,049.7	9,129.0
Terra Energy Corp.	87.6%	238.7	45	223.0	43	15.7	51	8,668.2	1,930.1
Imperial Oil Resources	52.0%	237.3	46	233.2	42	4.1	61	1,625.3	494.4
Ki Exploration Inc.	38.8%	230.1	47	7.0	84	223.1	14	1,263.8	375.9
Canadian Oil & Gas International Inc.	97.6%	216.2	48	52.7	71	163.5	19	16,643.4	8,958.1
Long Term Asset Management Inc.	0.0%	207.9	49	207.3	44	0.6	71	787.7	207.9
Insignia Energy Ltd.	95.5%	202.0	50	183.8	48	18.2	48	6,441.5	4,497.7
Tourmaline Oil Corp.	99.6%	192.9	51	192.1	45	0.8	69	44,022.0	47,000.4
Panam Energy Services Ltd.	39.9%	188.7	52	115.8	56	72.9	32	1,016.9	313.9
Athabasca Oil Corporation	95.6%	184.9	53	184.9	47	-	77	3,427.2	4,208.0
Polar Star Canadian Oil And Gas, Inc.	96.8%	165.1	54	164.0	49	1.1	67	14,696.1	5,092.0
Devon Canada	99.1%	164.7	55	116.5	55	48.2	38	30,227.5	18,460.3
Firenze Energy Ltd.	80.5%	163.3	56	163.3	50	-	77	11,699.5	835.7
Venturion Oil Limited	97.3%	161.7	57	161.7	51	-	77	19,868.8	6,075.5
Clampett Energy Ltd.	26.9%	152.7	58	103.8	58	48.9	37	2,091.4	208.9
Jupiter Resources Inc.	96.9%	151.1	59	9.8	81	141.3	22	3,496.9	4,805.7
Grizzly Resources Ltd.	0.0%	145.2	60	-	92	145.2	21	12,286.6	145.2
Spyglass Resources Corp.	96.7%	139.1	61	129.0	53	10.1	57	117,973.8	4,252.5
Pengrowth Energy Corporation	94.6%	129.5	62	111.0	57	18.5	47	13,167.4	2,400.9
Bernum Petroleum Ltd.	88.3%	123.7	63	123.5	54	0.2	75	21,687.9	1,053.1
Velvet Energy Ltd.	75.9%	114.7	64	90.5	61	24.2	43	1,478.6	476.6
Sydco Energy Inc.	98.4%	102.3	65	102.3	59	-	77	2,294.7	6,196.0
ORLEN Upstream Canada Ltd.	87.1%	100.4	66	100.4	60	-	77	10,421.8	781.0
Shield Energy Ltd.	95.1%	97.4	67	84.7	65	12.7	54	3,293.3	1,996.1
Ribbon Creek Resources Inc.	97.2%	92.9	68	69.3	68	23.6	44	3,637.3	3,337.2
Signalta Resources Limited	0.0%	88.9	69	7.4	83	81.5	29	677.4	88.9
Executive Adventures 2008 Inc.	0.0%	88.8	70	88.8	62	-	77	538.3	88.8

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COMPANY	GAS CONS	GAS FLARED + VENTED (1000 m³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m³)	FLARE RANK	GAS VENTED (1000 m³)	VENT RANK	OIL PROD (m³)	SOLN GAS PROD (1000 m³)
White Rain Resources Ltd.	18.3%	88.7	71	-	92	88.7	27	954.2	108.6
Disham Oil (2000) Inc.	0.0%	85.0	72	85.0	63	-	77	210.2	85.0
Dewpoint Resources Ltd.	0.0%	81.8	73	81.8	66	-	77	514.1	81.8
Inception Exploration Ltd.	98.5%	80.0	74	25.8	76	54.2	35	2,708.2	5,351.7
BDJ Energy Inc.	95.2%	78.9	75	78.9	67	-	77	9,973.8	1,647.9
Toro Oil & Gas Ltd.	8.2%	68.2	76	68.2	69	-	77	2,209.2	74.3
Capio Exploration Ltd.	99.8%	65.5	77	65.5	70	-	77	39,083.6	33,627.3
Bernwell of Canada, Limited	88.1%	51.7	78	51.7	72	-	77	1,339.1	434.6
Longview Oil Corp.	99.0%	50.9	79	30.2	74	20.7	46	12,002.4	4,830.9
Kelt Exploration (LNG) Ltd.	99.3%	46.8	80	30.0	75	16.8	50	4,628.8	6,398.0
Summerland Energy Inc.	99.0%	46.6	81	18.2	77	28.4	41	10,225.3	4,629.3
Taku Gas Limited	0.0%	43.2	82	43.2	73	-	77	1,416.7	43.2
EOG Canada Oil & Gas ULC	0.0%	26.3	83	15.0	80	11.3	55	78.7	26.3
Tallahassee Resources Inc.	0.0%	21.6	84	-	92	21.6	45	575.8	21.6
Border Petroleum Limited	1.1%	17.4	85	17.4	78	-	77	107.4	17.6
NAL Resources Limited	100.0%	16.5	86	16.5	79	-	77	68,474.9	160,196.1
Scavenger Energy Gp Inc.	0.0%	13.7	87	-	92	13.7	52	304.6	13.7
Glencoe Resources Ltd.	0.0%	11.0	88	-	92	11.0	56	195.5	11.0
Seven Generations Energy Ltd.	99.8%	9.5	89	9.5	82	-	77	1,640.0	3,903.2
NuVista Energy Ltd.	99.8%	8.3	90	0.9	89	7.4	58	3,892.8	4,492.9
Goldenkey Oil Inc.	26.1%	0.5	91	0.1	91	6.4	59	1,539.3	8.8
Navarone Energy Corporation	0.0%	5.7	92	5.7	85	-	77	53.9	5.7
Indepth Energy Inc.	0.0%	5.3	93	5.3	86	-	77	145.6	5.3
Storm Resources Ltd.	100.0%	5.0	94	5.0	87	-	77	22,660.1	23,636.6
Marquee Energy Ltd.	49.2%	3.0	95	2.9	88	0.1	76	38.5	5.9
Coastal Resources Limited	98.7%	2.3	96	-	92	2.3	64	232.9	180.6
Reber Exploration Ltd.	0.0%	2.3	96	-	92	2.3	64	94.4	2.3
Corinthian Exploration Corp.	100.0%	1.9	97	0.7	90	1.2	66	23,864.6	42,362.8
Ascent Energy Ltd.	99.6%	1.4	98	-	92	1.4	65	531.3	346.9
Granite Oil Corp.	100.0%	1.2	99	-	92	1.2	66	3,607.0	7,998.7
Unconventional Gas Resources Canada Operating, Inc.	99.6%	1.0	100	-	92	1.0	68	377.1	272.2
Bashaw Oil Ltd.	0.0%	0.8	101	-	92	0.8	69	217.7	0.8
Legacy CEC Ltd.	100.0%	0.8	101	0.1	91	0.7	70	11,339.8	18,647.3
Canstone Energy Ltd.	99.6%	0.5	102	-	92	0.5	72	195.9	128.5
Modern Resources Inc.	100.0%	0.4	103	-	92	0.4	73	486.2	863.2

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ASSESSEE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Baytrex Oil Corp.	0.0%	0.0	104	–	60	0.0	79	96.0	0.0
Lucor Oil And Gas Ltd.	0.0%	0.0	104	–	60	0.0	79	91.0	0.0
Apache Canada Ltd.	100.0%	–	106	–	60	–	77	1,328.0	2,454.0
Aqua Terra Water Management Inc.	110.0%	–	106	–	60	–	77	127.0	31.0
[illegible]	[illegible]	–	[illegible]	–	[illegible]	–	[illegible]	[illegible]	[illegible]
Delphi Energy Corp.	100.0%	–	106	–	60	–	77	13,481.0	9,071.0
Evolv Energy Inc.	100.0%	–	106	–	60	–	77	90.0	474.0
Kelwin Exploration Ltd.	100.0%	–	106	–	60	–	77	3,035.0	3,439.0
Lightstream Resources Ltd.	100.0%	–	106	–	60	–	77	659.0	2,974.0
[illegible]	[illegible]	–	[illegible]	–	[illegible]	–	[illegible]	[illegible]	[illegible]
Peyto Exploration & Development Corp.	100.0%	–	106	–	60	–	77	374.0	1,249.0
Petrobakken Resources Ltd.	100.0%	–	106	–	60	–	77	906.0	3,488.0
Response Energy Corporation	100.0%	–	106	–	60	–	77	132.0	0.0
Rockfire Energy Inc.	100.0%	–	106	–	60	–	77	868.0	465.0
[illegible]	[illegible]	–	[illegible]	–	[illegible]	–	[illegible]	[illegible]	[illegible]
Amber Exploration Corp.	100.0%	–	106	–	60	–	77	26.0	0.0
Summerfield Energy Inc.	100.0%	–	106	–	60	–	77	335.0	105.0
Sun Star Energy Inc.	100.0%	–	106	–	60	–	77	469.0	398.0
Tamarack Acquisition Corp.	100.0%	–	106	–	60	–	77	934.0	2,077.0
XTO Energy Canada	100.0%	–	106	–	60	–	77	90.0	78.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] Caution is required when comparing with last year's report due to corporate mergers, acquisitions, and divestments.

[illegible]

COMPANY	GAS COMP.	GAS FLARED + VENTED (1000 m^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m^3)	FLARE RANK	GAS VENTED (1000 m^3)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD (1000 m^3)
Cenovus Energy Ltd.	60.3%	271.8	36	271.8	32	-	59	1,393.1	1,885.9
Fairgrowth Energy Corporation	59.0%	265.3	37	208.9	36	56.4	19	196,365.0	27,126.9
Bonavista Energy Corporation	56.3%	237.3	38	9.6	53	227.7	9	55,675.3	6,438.3
Zargon Oil & Gas Ltd.	66.2%	219.6	39	219.4	35	0.2	57	42,100.8	1,595.5
Blackspur Oil Corp.	96.1%	172.7	40	-	60	172.7	11	22,650.9	4,445.8
Alberta Petroleum Energy Limited	9.1%	172.3	41	131.8	39	40.5	23	3,636.1	167.5
Direct Energy Marketing Limited	97.9%	149.0	42	149.0	38	7.1	39	9,096.5	7,164.3
Edge Resources Inc.	35.6%	147.4	43	147.4	37	-	59	4,688.5	228.7
Baytex Energy Ltd.	96.3%	132.4	44	92.7	43	39.7	24	8,051.9	3,268.8
Tyro Suite Energy Ltd.	0.0%	125.4	45	-	60	125.4	13	550.5	125.4
Kainai Energy Corp.	0.0%	125.0	46	125.0	40	-	59	1,496.1	125.0
Bowtower Energy Ltd.	92.1%	108.1	47	104.6	41	3.5	47	6,675.4	1,373.3
NuVista Energy Ltd.	95.1%	103.7	48	48.3	47	55.4	20	4,938.7	2,649.5
ConocoPhillips Canada Resources Corp.	97.9%	84.3	49	-	60	84.3	17	8,483.2	4,091.3
Surge Energy Inc.	91.7%	73.8	50	73.8	44	-	59	1,674.1	192.6
Standard Exploration Ltd.	37.5%	69.8	51	69.8	45	-	59	3,861.4	111.7
Pulse Oil & Gas Corporation	8.9%	61.8	52	-	60	61.8	18	224.1	68.6
Sanford Petroleum Ltd.	0.0%	54.2	53	-	60	54.2	21	2,083.4	54.2
Daylight Inc.	92.9%	53.7	54	-	60	53.7	22	1,335.4	741.5
Sunoma Resources Ltd.	97.7%	53.6	55	53.6	46	-	59	2,652.1	2,254.2
Strike Exploration Corp.	0.0%	34.7	56	34.7	48	-	59	43.6	34.7
Belmount Energy Inc.	0.0%	31.6	57	31.5	49	0.1	59	111.9	31.6
Cloudland Energy Ltd.	75.6%	25.0	58	-	60	25.0	27	1,271.1	135.6
Sunowen Resources Ltd.	97.1%	25.7	59	25.7	50	-	59	2,146.0	660.5
Tylerwest Limited	91.8%	25.5	60	-	60	25.5	28	2,775.7	156.5
Tower Ridge Enterprises Corp.	91.9%	23.1	61	-	60	23.1	31	461.7	60.6
Indra Oil & Gas Ltd.	0.0%	20.5	62	2.1	56	18.4	32	386.7	20.5
Lightstream Resources Ltd.	99.1%	17.9	63	0.4	57	17.4	33	1,813.6	456.9
Rusk Resource Ltd.	0.0%	13.2	64	-	60	13.2	34	152.1	13.2
Exem Energy Inc.	69.9%	13.1	65	13.1	51	-	59	144.6	126.1
Talon Water Disposal Inc.	0.0%	12.0	66	-	60	12.0	35	596.9	12.0
Five Mountain Exploration Inc.	0.0%	10.4	67	10.4	52	-	59	143.0	10.4
609521 Alberta Ltd.	0.0%	8.4	68	-	60	8.4	37	1,559.5	8.4
Antares Energy Inc.	0.0%	7.8	69	4.1	54	3.7	45	1,120.2	7.8
Relentless Resources Ltd.	98.7%	6.7	70	-	60	6.7	41	1,311.8	504.9
Custom Energy Group Ltd.	50.0%	5.9	71	-	60	5.9	42	1,248.1	11.9
CS Energy Canada Resources Partnership	50.0%	5.5	72	3.0	55	2.5	49	1,919.2	1,430.4
Exell Energy Corporation	0.0%	5.5	73	-	60	5.5	43	494.7	5.5
Delta Energy Management Corp.	86.3%	4.4	74	-	60	4.4	44	359.8	32.5
Questerre Energy Corporation	0.0%	3.3	75	-	60	3.3	46	610.7	3.3

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COMPANY	GAS CONS	GAS FLARED + VENTED (1000 m^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m^3)	FLARE RANK	GAS VENTED (1000 m^3)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD (1000 m^3)
Signalta Resources Limited	99.6%	2.4	75	-	60	2.4	50	1,166.0	578.8
Band Energy Resources Ltd.	76.9%	1.2	76	-	60	1.2	52	283.0	5.2
Northern Hunter Energy Inc.	99.7%	0.9	77	-	60	0.9	53	657.5	276.3
Red Coat Oil & Gas (2005) Ltd.	0.0%	0.6	78	-	60	0.6	54	32.8	0.6
Paramount Resources Ltd.	99.9%	0.4	79	-	60	0.4	55	529.3	412.5
Ascent Energy Ltd.	98.9%	0.3	80	-	60	0.3	56	147.9	28.3
Canadian Coyote Energy Ltd.	98.4%	0.3	80	-	60	0.3	56	1,229.0	19.1
Edalis Energy Inc.	97.6%	0.3	80	0.3	58	-	59	947.6	12.7
Richbar Energy Ltd.	99.1%	0.3	80	-	60	0.3	56	211.1	34.3
Sun Century Petroleum Corporation	0.0%	0.3	80	-	60	0.3	56	63.8	0.3
Writers Oil & Gas Limited	0.0%	0.3	80	-	60	0.3	56	55.2	0.3
White Ram Resources Ltd.	94.1%	0.1	81	-	60	0.1	58	57.9	1.7
1288131 Alberta Ltd.	100.0%	-	82	-	60	-	59	709.9	347.3
1506928 Alberta Ltd.	100.0%	-	82	-	60	-	59	689.3	10.0
Avalon Energy Ltd.	100.0%	-	82	-	60	-	59	8.2	5.2
Bay Trail Resources Ltd.	100.0%	-	82	-	60	-	59	172.6	15.9
Canamax Energy Ltd.	100.0%	-	82	-	60	-	59	287.9	16.2
Enerstar Petroleum Corp.	100.0%	-	82	-	60	-	59	333.7	7.7
InPlay Oil Corp.	100.0%	-	82	-	60	-	59	42.6	150.9
International Frontier Resources Corporation	100.0%	-	82	-	60	-	59	2,424.1	187.1
Ki Exploration Inc.	100.0%	-	82	-	60	-	59	423.6	20.7
Logic Energy Ltd.	100.0%	-	82	-	60	-	59	176.3	182.3
Response Energy Corporation	100.0%	-	82	-	60	-	59	1,590.6	52.5
Ruger Energy Inc.	100.0%	-	82	-	60	-	59	281.1	56.5
Silver Bay Resources Ltd.	100.0%	-	82	-	60	-	59	305.7	387.8
Westdrum Energy Ltd.	100.0%	-	82	-	60	-	59	-	42.9
TOTALS FOR MEDICINE HAT	**91.6%**	**67,242.7**		**59,620.1**		**7,622.6**		**4,176,798.9**	**799,811.2**

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FIELD CENTRE RANKING OF OPERATORS - 2014 FLARED + VENTED VOLUME[1]
MIDNAPORE CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: June 2, 2015

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 m^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 m^3$)	FLARE RANK	GAS VENTED ($1000 m^3$)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD ($1000 m^3$)
Lightstream Resources Ltd.	61.6%	5,377.1	1	5,346.6	1	30.5	37	28,519.9	14,013.3
Cenovus Energy Inc.	98.5%	4,295.8	2	555.1	12	3,740.7	1	497,318.3	290,082.9
Manitok Energy Inc.	10.4%	3,759.5	3	3,728.3	3	31.2	36	3,200.2	4,193.5
ORLEN Upstream Canada Ltd.	71.3%	3,736.5	4	3,736.5	2	-	63	7,465.4	13,026.2
Spyglass Resources Corp.	89.3%	2,923.2	5	2,839.3	5	83.9	22	68,136.6	27,404.2
Kainai Energy Corp.	0.0%	2,919.0	6	2,919.0	4	-	63	7,736.0	2,919.0
Bonavista Energy Corporation	97.4%	2,239.6	7	1,151.0	8	1,088.6	2	112,475.3	85,417.3
Bearspaw Petroleum Ltd.	26.8%	1,866.4	8	1,864.3	6	2.1	56	10,852.7	2,547.9
TORC Oil & Gas Ltd.	2.9%	1,537.9	9	1,529.6	7	8.3	48	5,345.2	1,583.1
Journey Energy Inc.	97.6%	1,294.1	10	1,076.0	9	218.1	9	62,352.4	53,754.1
Husky Oil Operations Limited	98.8%	1,248.3	11	1,054.0	10	194.3	10	107,435.2	103,288.5
Canadian Oil & Gas International Inc.	56.3%	894.9	12	191.2	23	703.7	3	29,684.6	2,049.9
Crescent Point Energy Corp.	93.5%	757.0	13	579.0	11	178.0	13	21,067.3	11,595.9
MFC Energy Corporation	95.2%	691.4	14	402.2	14	289.2	8	14,202.8	14,437.4
TAQA North Ltd.	98.6%	510.3	15	81.3	26	429.0	5	51,025.8	36,900.9
Bernum Petroleum Ltd.	38.9%	459.0	16	459.0	13	-	63	1,632.0	751.0
Encana Corporation	99.6%	454.6	17	96.0	25	358.6	6	94,201.0	106,348.8
ConocoPhillips Canada (BRC) Partnership	88.1%	444.0	18	-	52	444.0	4	4,208.3	3,724.7
Harvest Operations Corp.	98.3%	396.7	19	232.5	21	164.2	15	34,057.8	22,790.7
Wolf Coulee Resources Inc.	97.2%	385.8	20	333.4	16	52.4	29	15,057.4	13,583.9
Tamarack Valley Energy Ltd.	95.0%	377.5	21	31.0	33	346.5	7	9,199.8	7,480.9
Triaxon Oil Operations Ltd.	0.0%	374.4	22	257.2	20	117.2	19	650.1	374.4
Pengrowth Energy Corporation	99.8%	357.4	23	346.7	15	10.7	47	269,929.8	217,628.7
Surge Energy Inc.	61.3%	343.7	24	327.7	17	16.0	45	2,975.7	887.9
Canadian Natural Resources Limited	99.2%	334.0	25	194.6	22	139.4	18	153,631.3	43,214.9
Zargon Oil & Gas Ltd.	97.9%	275.8	26	275.8	18	-	63	33,811.3	12,972.4
Legacy Oil + Gas Inc.	99.5%	270.0	27	270.0	19	-	63	185,272.5	53,089.6
ExxonMobil Canada Ltd. & ExxonMobil Res	95.4%	229.9	28	56.5	31	173.4	14	67,240.7	5,010.7
Blackspur Oil Corp.	98.2%	225.8	29	80.7	27	145.1	16	15,287.3	12,711.4
Kaiser Exploration Ltd.	75.4%	192.1	30	-	52	192.1	11	1,625.4	779.7
Thoroughbred Energy Ltd.	9.8%	180.6	31	-	52	180.6	12	2,845.8	200.2
ARC Resources Ltd.	92.6%	157.4	32	73.2	29	84.2	21	5,318.5	2,119.8
Signalta Resources Limited	10.7%	143.5	33	-	52	143.5	17	1,712.3	160.6
Long Term Asset Management Inc.	85.7%	135.7	34	135.0	24	0.7	60	1,811.9	949.2
Firenze Energy Ltd.	92.6%	101.3	35	28.8	35	72.5	25	14,907.1	1,365.0

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COMPANY	GAS CONS	GAS FLARED + VENTED (1000 m³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m³)	FLARE RANK	GAS VENTED (1000 m³)	VENT RANK	OIL PROD (m³)	SOL'N GAS PROD (1000 m³)
Traverse Energy Ltd.	99.5%	98.4	36	16.2	39	82.2	23	8,254.3	16,272.0
Ridal Resource Ltd.	0.0%	89.8	37	-	52	89.8	20	1,548.6	89.8
Cardinal Energy Ltd.	99.0%	85.1	38	5.4	46	79.7	24	25,228.5	8,531.0
EOG Resources Canada Inc.	97.3%	78.6	39	76.6	28	2.0	57	2,102.0	2,899.0
Alder Ridge Resources Ltd.	97.9%	71.5	40	6.8	45	64.7	26	4,974.3	3,395.9
Marquee Energy Ltd.	99.2%	64.8	41	14.0	40	50.8	31	14,969.4	8,108.6
Canamax Energy Ltd.	94.2%	64.5	42	64.5	30	-	63	1,405.5	1,116.1
NEO Exploration Inc.	77.7%	63.9	43	29.4	34	34.5	35	1,859.2	286.7
White Rain Resources Ltd.	48.2%	61.4	44	-	52	61.4	27	144.5	118.5
Baytex Energy Ltd.	98.1%	54.6	45	51.1	32	3.5	54	9,933.3	2,817.4
Shanpet Resources Ltd.	0.0%	53.7	46	-	52	53.7	28	1,268.5	53.7
Standard Exploration Ltd.	54.5%	51.0	47	-	52	51.0	30	576.5	112.0
Silver Blaze Energy Ltd.	72.6%	50.0	48	-	52	50.0	32	300.3	182.5
Vermilion Energy Inc.	0.0%	49.9	49	-	52	49.9	33	301.1	49.9
Concerto Resources Ltd.	51.8%	47.3	50	17.2	38	30.1	38	406.1	98.1
ConocoPhillips Canada Energy Partnership	99.5%	44.4	51	0.5	50	43.9	34	10,342.6	9,005.3
Penn West Petroleum Ltd.	98.3%	37.3	52	7.5	44	29.8	39	3,793.7	2,222.7
Indra Oil & Gas Ltd.	0.0%	26.1	53	26.1	36	-	63	686.6	26.1
Ember Resources Inc.	81.9%	25.9	54	25.9	37	-	63	230.0	143.0
Questfire Energy Corp.	97.0%	25.3	55	-	52	25.3	40	718.3	829.9
5485279 Alberta Limited	0.0%	25.2	56	1.0	49	24.2	41	189.9	25.2
Wilcox Energy Corp.	46.8%	20.5	57	-	52	20.5	42	449.9	38.5
Forent Energy Ltd.	95.8%	19.4	58	8.6	43	10.8	46	1,205.6	462.5
Coastal Resources Limited	97.3%	17.9	59	-	52	17.9	43	904.9	663.6
LGX Oil + Gas Inc.	99.7%	17.7	60	-	52	17.7	44	3,850.1	5,378.3
Nexen Energy ULC	0.0%	11.9	61	11.9	41	-	63	115.8	11.9
Anterra Energy Inc.	98.7%	11.5	62	10.8	42	0.7	60	1,173.7	860.7
Ki Exploration Inc.	99.3%	10.8	63	10.8	42	-	63	695.5	1,518.9
TimberRock Energy Corp.	99.6%	7.6	64	-	52	7.6	49	2,575.6	1,910.5
Hard Rock Resources Ltd.	66.0%	7.0	65	-	52	7.0	50	570.0	20.6
Second Wave Petroleum Inc.	0.0%	6.0	66	-	52	6.0	51	401.8	6.0
ConocoPhillips Western Canada Partnership	99.2%	5.3	67	-	52	5.3	52	96.5	643.5
Sphere Energy Corp.	89.7%	5.2	68	3.1	47	2.1	56	1,297.5	50.7
Pocahontas Petroleum Ltd.	0.0%	4.6	69	-	52	4.6	53	36.0	4.6
Jast Energy Ltd.	87.2%	3.5	70	0.3	51	3.2	55	290.6	27.4

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Undriven	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Canoe Energy Ltd.	66.7%	1.6	71	1.1	48	0.5	61	2,217.3	480.0
The Lucite Stock & Barrel Company Ltd.	0.0%	1.6	71	-	52	1.6	58	535.4	1.6
Ballistic Exploration Ltd.	66.6%	1.5	72	-	52	1.5	58	148.6	2,133.1
Tandem Energy Corporation	66.3%	0.7	74	-	52	0.7	60	174.7	104.4
Petro Viking Management Corp.	66.4%	0.1	74	-	52	0.1	60	197.3	0.1
Response Energy Corporation	0.0%	0.1	74	-	52	0.1	62	16.9	0.1
AbaSea Ltd.	100.0%	-	75	-	52	-	63	1,234.6	2,387.3
Avalon Energy Ltd.	100.0%	-	75	-	52	-	63	234.6	48.9
Connaught Oil & Gas Ltd.	100.0%	-	75	-	52	-	63	186.9	23.6
CS Energy Canada Resources Partnership	100.0%	-	75	-	52	-	63	333.3	87.6
Devon Canada	100.0%	-	75	-	52	-	63	1,048.4	1,286.6
Direct Energy Marketing Limited	100.0%	-	75	-	52	-	63	286.8	134.2
Doag Energy Ltd.	0.0%	-	75	-	52	-	63	14.0	-
Edelta Energy Inc.	100.0%	-	75	-	52	-	63	1,044.2	758.7
Logic Energy Ltd.	100.0%	-	75	-	52	-	63	5,437.3	5,038.8
Mika Resources Ltd.	100.0%	-	75	-	52	-	63	196.6	196.6
Rockridge Energy Alberta Inc.	100.0%	-	75	-	52	-	63	103.8	117.3
Steppe Petroleum Inc.	100.0%	-	75	-	52	-	63	272.7	147.3
Tura Oil & Gas Ltd.	0.0%	-	75	-	52	-	63	2.7	-
Verity Energy Ltd.	100.0%	-	75	-	52	-	63	947.8	0.3
Westfork Energy Ltd.	100.0%	-	75	-	52	-	63	27.0	19.3
TOTALS FOR ASSIMILATED	66.7%	41,213.4		53,445.3		10,675.1		3,655,435.4	1,491,776.7

[illegible] Caution is required when comparing with last year's result due to corporate mergers, acquisitions and divestments.

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tulsk Energy Ltd	65.6%	45.8	73	28.1	73	17.8	73	3,355.8	1,110.1
Mela Inc	58.7%	91.9	77	–	78	91.9	72	535.2	1,288.3
Maldive Energy Corporation	56.4%	61.8	75	28.5	81	15.7	91	7,357.8	9,398.2
Mawkish Energy Ltd	51.9%	48.0	75	9.8	67	31.5	72	982.5	673.8
Midwin Energy Corporation	69.4%	27.1	80	27.1	72	–	65	2,554.8	802.3
South Ridge Management Ltd	3.0%	98.4	91	98.4	74	–	83	270.5	96.4
Exem Energy Inc	69.6%	95.3	62	9.5	67	26.3	78	23,340.5	9,675.1
Tuas Energy Corporation	3.0%	53.6	63	53.6	67	–	80	707.3	93.6
Silver Wave Energy Ltd	29.9%	27.6	94	–	78	27.6	74	1,124.5	38.6
South Bay Resources Canada, ULC	91.3%	27.3	95	26.3	93	1.1	85	1,938.1	79.5
Gale Ridge Investments Corporation	3.0%	27.3	91	–	78	27.3	82	110.4	27.3
Sage Resources Ltd	59.1%	22.1	85	–	78	22.1	87	868.8	2,492.8
Kepler Energy Ltd	59.6%	18.2	87	–	78	18.2	78	5,130.3	4,098.7
Journey Energy Inc	59.6%	18.8	85	–	78	18.8	85	7,177.1	4,374.8
Alcala Energy Ltd	59.3%	19.8	91	–	78	19.8	93	2,538.3	2,978.8
Imperial 10 Resources	68.6%	15.1	59	1.8	68	3.1	71	30,554.8	20,774.2
Orient Energy Marketing Limited	69.3%	13.0	91	8.8	71	4.3	73	9,535.8	9,308.3
Tyrewood Limited	91.9%	9.5	82	–	78	9.5	88	596.8	115.5
Shamrock Resources Ltd	97.5%	9.1	83	–	78	9.1	71	198.8	231.4
Redtree 10 Ltd	68.6%	3.8	94	–	78	3.8	73	21,111.4	977.8
Sunglass Resources Corp	68.7%	3.7	90	–	78	3.7	75	198.8	1,027.9
Orbital Exploration Corp	68.8%	3.5	90	3.5	73	–	83	2,098.4	1,098.2
Terra Energy Corp	3.0%	3.4	97	3.3	78	3.1	77	631.2	3.4
Rock Energy Inc	68.8%	3.3	98	–	78	3.3	76	1,692.7	3,808.4
Marquee Energy Ltd	68.8%	1.8	90	1.1	73	3.7	83	1,974.3	2,834.1
Cyprine Industries Inc	100.0%	1.3	100	–	78	1.3	78	139.1	3,035.7
Tri-Mark Corporation Ltd	91.7%	1.4	101	–	78	1.4	75	21.4	2.4
Fog Mountain Exploration Inc	68.8%	1.2	102	–	78	1.2	81	345.8	271.5
GoMen Oil & Gas Inc	3.0%	1.2	102	1.2	74	–	85	282.5	1.2
Traverse Energy Ltd	68.8%	3.8	103	–	78	3.8	82	138.7	488.3
REX Exploration Inc	68.7%	3.4	104	–	78	3.4	84	505.3	28.8
Jayhawk Resources Ltd	3.0%	3.3	105	–	78	3.3	85	75.2	3.3
YORC Oil & Gas Ltd	91.3%	3.3	105	–	78	3.3	85	31.5	3.4
Trident Exploration (Alberta) Corp	68.8%	3.3	105	–	78	3.3	85	91.4	146.3
Canadian Monarch Petroleum, ULC	100.0%	3.1	108	–	78	3.1	88	2,134.7	1,821.3
Goldenkey Oil Inc	100.0%	3.1	108	3.1	77	–	85	3,356.1	1,827.9
Sinopec Daylight Energy Ltd	100.0%	3.1	108	3.1	77	–	88	1,212.5	1,298.7
BIC Resources Ltd	100.0%	–	107	–	78	–	83	–	736.8
Arsenal Energy Inc	100.0%	–	107	–	78	–	83	535.3	538.4
Redtree Oil Corp	100.0%	–	107	–	78	–	88	838.3	95.8

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COMPANY	GAS CONS	GAS FLARED + VENTED ($1000 m^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000 m^3$)	FLARE RANK	GAS VENTED ($1000 m^3$)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD ($1000 m^3$)
Calfax Resources Ltd.	100.0%	-	107	-	78	-	89	421.4	338.6
Canadian Coyote Energy Ltd.	100.0%	-	107	-	78	-	89	1,188.5	1,621.4
Canyon Oil & Gas Corporation	100.0%	-	107	-	78	-	89	77.6	542.7
Coastal Resources Limited	100.0%	-	107	-	78	-	89	447.2	12.2
Corse Energy Corp.	100.0%	-	107	-	78	-	89	642.7	1,250.3
EOG Canada Oil & Gas ULC	100.0%	-	107	-	78	-	89	276.3	101.6
Ferrybank Resources Ltd.	100.0%	-	107	-	78	-	89	1,312.6	556.1
Fort Calgary Resources Ltd.	100.0%	-	107	-	78	-	89	355.3	333.2
Incipient Exploration Ltd.	100.0%	-	107	-	78	-	89	21.5	8.1
Knowledge Energy Inc.	100.0%	-	107	-	78	-	89	807.6	3,833.2
Logic Energy Ltd.	100.0%	-	107	-	78	-	89	6,836.9	990.5
Milen's Oilfield Enterprises Ltd.	100.0%	-	107	-	78	-	89	131.0	3,061.2
New North Resources Ltd.	100.0%	-	107	-	78	-	89	75.5	339.2
Nyhe Exploration Company Inc.	100.0%	-	107	-	78	-	89	385.7	54.1
Owl River Resources Ltd.	100.0%	-	107	-	78	-	89	282.2	403.6
Petromin Resources Ltd.	100.0%	-	107	-	78	-	89	395.4	594.1
Redwater Energy Corp.	100.0%	-	107	-	78	-	89	683.7	957.6
RMP Energy Inc.	100.0%	-	107	-	78	-	89	416.1	2,340.2
Rockbridge Energy Alberta Inc.	100.0%	-	107	-	78	-	89	73.3	0.9
Shapon Resources Ltd.	100.0%	-	107	-	78	-	89	58.6	88.5
Spryd Energy Inc.	100.0%	-	107	-	78	-	89	937.7	2,588.6
Suncor Energy E&p Partnership	100.0%	-	107	-	78	-	89	26,772.6	15,824.9
Zoe Energy Ltd.	100.0%	-	107	-	78	-	89	1,916.4	1,722.6
TOTALS FOR RED DEER	**98.6%**	**55,341.9**		**41,475.1**		**13,866.8**		**3,845,088.9**	**3,849,198.8**

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FIELD CENTRE RANKING OF OPERATORS - 2014 FLARED + VENTED VOLUME[1]
ST. ALBERT CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE: June 2, 2015

COMPANY	GAS CONS	GAS FLARED + VENTED ($1000\ m^3$)	GAS FLARED + VENTED RANK	GAS FLARED ($1000\ m^3$)	FLARE RANK	GAS VENTED ($1000\ m^3$)	VENT RANK	OIL PROD (m^3)	SOL'N GAS PROD ($1000\ m^3$)
Penn West Petroleum Ltd.	93.2%	16,219.1	1	12,602.7	1	3,616.4	2	944,347.0	238,424.4
Murphy Oil Company Ltd.	89.3%	13,932.5	2	8,082.6	3	5,849.9	1	451,233.2	129,622.5
Lightstream Resources Ltd.	36.9%	10,431.0	3	10,135.0	2	296.0	19	110,347.9	16,523.4
Crescent Point Energy Corp.	55.9%	8,086.1	4	7,682.7	4	403.4	16	64,909.4	18,326.3
Arcan Resources Ltd.	75.5%	7,612.6	5	6,657.0	5	955.6	9	220,811.0	31,010.0
Coral Hill Energy Ltd.	86.1%	7,573.5	6	5,924.2	7	1,649.3	5	277,657.4	54,351.2
Canadian Natural Resources Limited	93.5%	7,570.1	7	6,645.2	6	924.9	10	520,188.2	116,307.8
Harvest Operations Corp.	76.0%	5,353.0	8	3,712.1	8	1,640.9	6	254,595.5	22,304.6
Pengrowth Energy Corporation	98.1%	3,855.0	9	2,730.1	12	1,124.9	7	521,856.4	197,543.8
Baytex Energy Ltd.	56.2%	3,760.8	10	3,655.0	9	105.8	27	168,969.6	8,590.0
Trilogy Resources Ltd.	98.9%	3,596.5	11	3,577.3	10	19.2	57	423,207.2	325,004.6
Tamarack Acquisition Corp.	79.5%	3,315.8	12	376.7	30	2,939.1	3	67,421.1	16,135.9
Mancal Energy Inc.	74.6%	2,810.0	13	2,744.6	11	65.4	34	103,021.8	11,044.5
Surge Energy Inc.	87.4%	2,728.6	14	400.3	29	2,328.3	4	72,732.5	21,678.3
Long Run Exploration Ltd.	96.5%	2,553.0	15	1,903.6	15	649.4	12	276,650.1	72,057.4
ARC Resources Ltd.	87.9%	2,475.7	16	2,065.6	14	410.1	15	210,471.7	20,368.6
Devon Canada	89.1%	2,369.3	17	2,294.6	13	74.7	31	99,037.6	21,728.2
Husky Oil Operations Limited	89.1%	2,151.4	18	1,605.2	18	546.2	14	68,181.9	19,660.4
Apache Canada Ltd.	97.0%	1,872.7	19	1,678.7	17	194.0	21	342,911.6	61,749.2
Tangle Creek Energy Ltd.	97.5%	1,843.8	20	1,489.6	19	354.2	18	176,906.6	73,583.8
Kingsmere Resources Ltd.	8.2%	1,769.3	21	1,759.3	16	10.0	63	6,064.3	1,927.9
Journey Energy Inc.	95.7%	1,430.0	22	1,408.5	20	21.5	52	63,557.9	33,124.8
NEP Canada ULC	95.6%	1,261.4	23	1,261.4	21	-	88	123,405.3	28,932.6
Lone Pine Resources Canada Ltd.	87.9%	1,092.8	24	37.6	68	1,055.2	8	125,832.0	8,993.1
InPlay Oil Corp.	5.0%	916.8	25	911.9	22	4.9	68	2,422.5	964.8
TORC Oil & Gas Ltd.	94.5%	821.4	26	272.7	34	548.7	13	59,848.2	15,023.5
Pinecrest Energy Inc.	90.9%	777.9	27	38.4	67	739.5	11	104,057.5	8,563.3
Exoro Energy Inc.	57.5%	716.6	28	716.6	23	-	88	4,981.1	1,687.3
Nordegg Resources Inc.	86.8%	620.8	29	611.0	24	9.8	64	23,451.8	4,703.6
Sino-Western Petroleum, Inc.	39.8%	578.6	30	578.2	25	0.4	84	2,542.0	960.3
TAQA North Ltd.	96.6%	552.0	31	365.5	31	186.5	22	10,826.3	16,287.6
Response Energy Corporation	76.7%	551.4	32	163.9	40	387.5	17	6,694.1	2,368.2
Athabasca Oil Corporation	99.7%	480.7	33	480.7	26	-	88	92,199.7	139,720.6
Zargon Oil & Gas Ltd.	4.7%	471.7	34	438.6	27	33.1	44	2,593.8	495.0
Quattro Exploration and Production Ltd.	0.3%	402.1	35	402.1	28	-	88	902.3	403.1

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COMPANY	GAS CONS	GAS FLARED + VENTED (1000 m³)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m³)	FLARE RANK	GAS VENTED (1000 m³)	VENT RANK	OIL PROD (m³)	SOL'N GAS PROD (1000 m³)
Bernum Petroleum Ltd.	89.9%	381.0	36	350.9	32	30.1	47	21,557.2	3,763.6
Spyglass Resources Corp.	41.0%	303.9	37	238.0	36	65.9	33	10,242.1	514.7
Midlake Oil & Gas Limited	18.9%	287.8	38	-	100	287.8	20	1,573.9	354.9
Longview Oil Corp.	83.0%	283.8	39	283.8	33	-	88	5,847.6	1,668.9
Second Wave Petroleum Inc.	98.7%	278.7	40	181.4	39	97.3	28	25,204.2	21,447.4
Novus Energy Inc.	0.0%	249.6	41	249.6	35	-	88	1,193.3	249.6
Vesta Energy Ltd.	94.3%	212.1	42	212.1	37	-	88	5,473.9	3,731.3
Predator Oil Ltd.	17.4%	211.7	43	150.0	42	61.7	36	7,073.8	256.3
Coastal Resources Limited	62.5%	192.5	44	155.6	41	36.9	42	7,907.7	513.3
Trident Exploration (wx) Corp.	95.4%	187.9	45	186.9	38	1.0	81	4,629.2	4,065.9
Exall Energy Corporation	95.8%	176.0	46	91.4	52	84.6	29	54,703.9	4,223.4
Border Petroleum Limited	0.0%	163.3	47	40.5	65	122.8	24	1,331.9	163.3
Redwater Energy Corp.	85.8%	149.6	48	108.2	50	41.4	41	6,699.0	1,054.3
Talisman Energy Inc.	0.0%	148.3	49	148.3	43	-	88	911.4	148.3
Shiningstar Energy Ltd.	73.3%	139.9	50	139.9	44	-	88	298.6	524.0
Sabanero Energy Corp.	65.1%	135.7	51	133.4	45	2.3	73	3,048.3	388.7
Shackleton Exploration Ltd.	99.4%	131.5	52	106.3	51	25.2	48	17,956.8	21,140.3
Advance Drilling Ltd.	76.5%	131.2	53	110.9	49	20.3	54	3,339.4	557.6
Barnwell of Canada, Limited	17.6%	125.0	54	112.2	46	12.8	61	2,443.2	151.7
Questfire Energy Corp.	0.0%	124.4	55	-	100	124.4	23	3,315.0	124.4
Anterra Energy Inc.	96.7%	124.0	56	123.0	46	1.0	81	26,322.3	3,761.0
Kootenay Energy Inc.	48.6%	120.3	57	120.3	47	-	88	5,794.3	234.1
Dark Energy Ltd.	54.7%	119.1	58	-	100	119.1	25	6,399.8	263.1
White Ram Resources Ltd.	2.2%	117.6	59	1.0	95	116.6	26	1,261.6	120.3
ConocoPhillips Canada (BRC) Partnership	99.5%	99.1	60	63.8	59	35.3	43	47,125.8	18,371.8
Ravenwood Energy Corp.	10.3%	85.8	61	85.8	53	-	88	2,760.3	95.6
Enerplus Corporation	99.6%	85.6	62	60.7	61	24.9	49	37,417.3	20,861.7
Qwest Diversified Capital Corporation	93.8%	84.0	63	83.7	54	0.3	85	1,441.2	1,348.9
Regco Petroleums Ltd.	0.0%	82.8	64	82.8	55	-	88	1,228.1	82.8
Beaver Lake Resources Corporation	0.0%	81.0	65	81.0	56	-	88	668.8	81.0
Whitehall Energy Ltd.	75.5%	75.3	66	-	100	75.3	30	4,204.7	306.8
Gryphon Petroleum Corp.	17.6%	73.4	67	70.4	57	3.0	70	5,345.0	89.1
ConocoPhillips Western Canada Partnership	98.8%	68.1	68	68.1	58	-	88	41,604.6	5,476.1
Shoreline Energy Corp.	0.0%	66.7	69	-	100	66.7	32	1,163.3	66.7
Chinook Energy Inc.	3.6%	63.7	70	-	100	63.7	35	1,489.3	66.1
Brevia Energy Inc.	96.2%	61.5	71	61.5	60	-	88	13,158.1	1,618.1
Bonterra Energy Corp.	83.9%	60.9	72	0.5	97	60.4	37	2,064.5	377.4
Signalta Resources Limited	7.7%	55.0	73	2.9	93	52.1	39	760.9	59.6
Canadian Quantum Energy Corporation	0.0%	52.2	74	-	100	52.2	38	117.7	52.2
Enhance Energy Inc.	0.0%	50.9	75	50.8	62	0.1	87	238.0	50.9

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COMPANY	GAS CONS	GAS FLARED + VENTED (1000 m^3)	GAS FLARED + VENTED RANK	GAS FLARED (1000 m^3)	FLARE RANK	GAS VENTED (m^3)	VENT RANK	OIL PROD (m^3)	GAS-to-OIL PROD (1000 m^3)
Surge Energy Inc.	3.0%	50.7	76	31.4	71	19.3	56	1,286.1	40.7
Altius Energy Ltd.	30.7%	50.6	77	50.6	63	-	65	572.6	73.0
Strike Exploration Corp.	11.1%	49.8	78	49.8	64	-	65	77.1	90.0
Accurate Energy Solutions Ltd.	0.0%	43.8	79	-	100	43.8	45	-	-
Rockin' Acquisition Corporation	94.7%	40.3	80	40.3	66	0.1	67	455.7	711.8
Synapse Daylight Energy Ltd.	95.5%	38.7	81	13.4	77	25.3	51	4,035.8	837.8
Seabank Energy Inc.	3.0%	30.0	82	30.0	69	-	65	118.6	25.0
Spartan Energy Corp.	89.4%	34.2	83	34.2	70	-	65	27,345.7	5,910.7
Primrose Drilling Ventures Ltd.	0.0%	33.6	84	3.0	82	30.9	45	516.8	33.9
Sundance Energy Corporation	0.0%	32.8	85	13.0	78	19.8	55	70.5	12.8
New North Resources Ltd.	0.0%	30.5	86	-	100	30.5	45	512.1	60.5
Blackpearl Resources Inc.	89.9%	29.3	87	29.3	72	-	65	162,074.9	34,404.9
Peridot Resources Inc.	85.3%	24.8	88	24.5	73	0.3	65	5,855.9	169.0
Spryd Energy Inc.	95.2%	24.8	89	-	100	24.8	50	4,413.8	5,031.2
Kelt Exploration (LNG) Ltd.	99.5%	22.4	90	22.4	74	-	45	34,975.2	4,138.2
Crimson Oil & Gas Ltd.	89.4%	20.6	91	-	100	20.6	53	6,610.7	177.1
Vermilion Energy Inc.	99.2%	20.3	92	9.6	80	10.7	62	46,305.6	2,007.4
Indra Oil & Gas Ltd.	0.0%	19.4	93	19.4	75	-	65	469.5	19.4
Kluskus Petroleums Limited	57.5%	16.1	95	4.6	90	13.5	60	2,474.8	42.6
KTD Energy Canada	99.7%	17.8	94	1.8	94	16.3	58	6,264.7	5,909.4
Ambora Energy Corporation	0.0%	14.1	96	14.1	76	-	65	3,304.8	10.9
KMP Energy Inc.	89.9%	13.7	98	-	100	13.7	59	5,170.0	8,425.5
Arsenal Energy Inc.	97.2%	13.5	97	7.9	84	5.7	65	12,256.2	464.5
HESC Energy Corporation	99.4%	12.6	99	12.6	79	-	65	1,887.5	2,164.6
Kiwi Oil Sands Operating ULC	16.2%	10.9	99	2.2	96	10.7	60	3,170.3	13.5
Whitecap Resources Inc.	97.9%	9.2	100	6.8	85	2.4	72	3,136.2	446.0
Clearbrook Resources Inc.	98.7%	9.0	101	9.0	81	-	65	3,521.8	736.1
Spur Resources Ltd.	39.6%	9.0	101	-	100	9.0	45	812.9	14.9
ORLEN Upstream Canada Ltd.	100.0%	8.9	102	8.1	82	0.8	62	72,332.6	85,136.6
Dawnamex Energy Corporation	98.6%	8.0	103	8.0	83	-	65	686.8	391.4
Perpetual Energy Operating Corp.	97.1%	7.8	104	4.2	86	1.4	78	644.8	265.3
Kolibrin Oil & Gas Inc.	91.7%	6.9	105	5.8	87	1.1	60	4,813.4	37.5
CG Energy Canada Resources Partnership	99.4%	5.2	106	5.2	85	-	65	1,874.2	795.0
Direct Energy Marketing Limited	99.8%	5.1	107	5.1	89	-	65	4,087.0	2,094.8
Scollard Energy Inc.	98.1%	5.0	108	-	100	5.0	67	111.5	136.8
Velvet Energy Ltd.	99.8%	5.0	108	-	100	5.0	67	3,141.8	3,452.4
Painted Pony Petroleum Ltd.	91.0%	4.4	109	4.4	91	-	65	27.4	23.1
Mikwec Energy Ltd.	99.8%	3.9	110	-	100	3.9	69	445.2	1,910.7
Ember Resources Inc.	99.5%	2.7	111	-	100	2.7	71	136.2	177.4
Fox Creek Petroleum Corp.	99.0%	2.5	112	-	100	2.5	74	1,216.9	462.9

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Pretty Oil Operations Limited	37.5%	30,037.1	1	2,004.4	8	37,452.7	1	1,267,300.3	346,054.1
Canadian Natural Resources Limited	70.1%	18,032.1	2	1,23.1	38	17,909.0	2	367,380.0	72,435.8
Twin Butte Energy Ltd.	73.6%	17,468.8	3	7,407.2	1	13,061.7	4	390,564.6	59,345.1
Devon Canada	57.4%	11,511.0	4	-	63	11,573.9	3	256,708.2	27,196.2
Harvest Operations Corp.	78.8%	11,340.4	5	2,313.4	2	6,720.3	6	438,237.2	53,730.3
Vine Energy Ltd.	72.2%	9,408.1	6	-	63	9,408.1	5	248,280.3	25,629.6
Talisman Energy Inc.	62.0%	9,048.3	7	2,231.9	7	2,816.1	8	562,366.7	25,831.1
Apache Canada Ltd.	84.8%	8,568.3	8	3,600.5	3	874.5	13	262,224.6	60,355.6
Penn West Energy Trust	82.1%	8,236.2	9	845.3	14	5,390.9	7	168,502.3	58,395.5
Suncor Energy Inc.	80.7%	8,273.4	10	3,360.7	4	209.7	20	151,946.9	21,962.5
Penn West Petroleum Ltd.	85.4%	8,418.7	11	2,850.7	5	538.3	15	139,013.4	23,865.4
Cenovus Energy Ltd.	85.9%	8,038.6	12	1,160.2	11	1,913.4	10	132,713.5	8,113.5
Crescent Point Energy Corp.	93.4%	2,908.8	13	2,799.7	6	138.1	33	143,367.9	44,982.8
Nathan Oil & Gas Corporation	27.9%	1,897.4	14	0.0	55	1,917.3	9	33,532.6	2,753.5
Daylight Resources Corp.	87.3%	1,273.3	15	1,252.1	9	20.9	52	17,491.3	13,078.3
Long Run Exploration Ltd.	74.9%	1,222.5	16	913.6	24	1,318.9	11	28,346.3	8,056.0
Bonavista Energy Ltd.	28.2%	1,207.6	17	1,038.3	13	269.3	27	12,789.0	1,823.4
Nexus Energy Inc.	0.3%	1,207.5	18	1,213.8	10	10.7	40	1,927.3	1,314.0
Crew Energy Inc.	83.8%	1,192.9	19	886.5	18	496.9	17	102,594.9	6,972.6
Arsenal Energy Inc.	79.1%	1,060.3	20	798.9	16	260.4	24	33,213.4	5,169.0
Fort Calgary Resources Ltd.	31.8%	1,056.1	21	497.5	19	559.6	15	8,941.2	1,592.7
Bonavista Energy Corporation	83.7%	1,026.7	22	26.9	47	960.8	12	21,398.3	6,297.1
Mustang Resources Ltd.	43.9%	902.7	23	870.2	13	32.5	48	13,369.4	1,593.9
Lone Pine Resources Canada Ltd.	89.5%	894.2	24	-	63	894.2	14	13,734.7	6,340.7
Rising Exploration Company, ULC	89.9%	810.5	25	810.5	15	-	62	17,792.4	2,979.2
Verity Energy Ltd.	0.0%	765.0	26	765.0	17	-	62	1,488.2	765.0
Exhibition Oil Inc.	69.8%	678.7	27	458.6	20	169.1	32	1,744.1	2,347.0
Spur Resources Ltd.	97.9%	597.2	28	197.5	31	399.7	18	63,364.6	28,599.3
Paramount Energy Corporation	56.2%	572.5	29	254.2	26	318.3	23	111,172.9	14,361.5
Rife Resources Ltd.	78.4%	556.8	30	210.4	30	358.4	22	55,844.1	2,535.3
Saskatchewan Energy Corporation	33.1%	533.3	31	145.3	36	388.0	21	3,841.0	802.2
Talisman North Resources Ltd.	39.3%	488.8	32	137.1	40	352.5	19	1,745.5	823.9
1318701 Alberta Ltd.	28.0%	481.7	33	481.7	21	-	62	8,252.7	888.9
Bow River Energy Ltd.	42.5%	458.3	34	457.8	22	0.2	60	28,409.8	886.9
Surgent Oil & Gas Ltd.	85.7%	429.8	35	310.8	33	109.2	36	53,364.3	5,314.7

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Marquee Energy Ltd.	81.2%	392.1	36	-	63	392.1	20	32,624.8	2,081.5
Anegada Energy Corp.	26.6%	286.3	37	286.3	25	-	82	546.4	390.1
Zeal Energy Inc.	41.1%	276.9	38	-	63	276.9	25	1,138.7	470.4
Sojourn Energy Inc.	0.0%	272.5	39	-	63	272.5	26	10,607.7	272.5
Rockeast Energy Corp.	0.0%	242.0	40	242.0	27	-	82	2,708.0	242.0
Copper Island Resources Ltd.	89.9%	238.8	41	-	63	238.8	28	4,312.5	2,359.3
Polar Star Canadian Oil And Gas, Inc.	0.0%	231.1	42	231.1	28	-	82	723.4	231.1
Canadian Oil & Gas International Inc.	17.9%	226.4	43	226.4	29	-	82	3,754.6	275.9
Tattu Gas Limited	29.8%	212.6	44	3.7	59	208.9	30	4,857.3	302.8
Dark Warrior Resources Ltd.	0.0%	202.6	45	-	63	202.6	31	3,557.1	202.6
Westdrum Energy Ltd.	35.9%	190.7	46	190.7	32	-	82	1,256.3	297.6
Energilus Corporation	97.1%	180.2	47	148.1	34	32.1	49	129,995.6	6,171.3
Canadian Coyote Energy Ltd.	90.5%	159.9	48	159.1	33	0.8	76	8,995.5	1,683.5
Terra Power Ltd.	24.3%	150.5	49	146.9	35	3.6	63	202.8	198.8
Scotland Energy Inc.	7.4%	140.3	50	140.3	37	-	82	2,433.2	151.5
Raging River Exploration Inc.	0.0%	128.4	51	88.2	42	40.2	45	187.8	128.4
ConocoPhillips Canada (BRC) Partnership	97.5%	121.7	52	3.0	60	118.7	34	48,220.3	4,899.3
Crescent Energy Ltd.	0.0%	114.2	53	-	63	114.2	35	4,448.4	114.2
Forent Energy Ltd.	0.0%	109.5	54	78.9	43	30.6	51	2,570.8	109.5
Seikur Energy Management Corp.	65.2%	107.8	55	107.8	39	-	82	4,428.2	310.1
Enerr T Corporation	42.1%	104.8	56	-	63	104.8	37	9,362.2	181.0
Top Oil Production Ltd.	69.1%	102.7	57	-	63	102.7	38	1,008.7	332.6
Orestad Energy Corp.	7.3%	100.3	58	100.3	41	-	82	1,344.2	108.2
Brahma Resources Ltd.	66.3%	95.4	59	27.3	51	68.1	40	12,326.6	282.8
Kairos Resources (2011) Ltd.	0.0%	79.9	60	-	63	79.9	39	1,231.7	79.9
Magnum Energy Inc.	81.3%	74.5	61	47.6	45	26.9	53	2,702.8	397.3
Cenovus Energy Inc.	98.8%	61.7	62	59.1	44	2.6	67	123,811.0	5,278.3
Goodland Energy Ltd.	22.1%	61.0	63	41.9	46	19.1	57	1,413.7	78.3
Response Energy Corporation	63.4%	60.1	64	-	63	60.1	41	5,344.6	164.0
Calfex Resources Ltd.	71.8%	53.5	65	-	63	53.5	43	1,058.3	189.6
RON Resources Ltd.	97.5%	44.4	66	-	63	44.4	44	1,099.0	1,796.1
Bridgeoil Corporation	0.0%	40.1	67	-	63	40.1	46	99.0	40.1
611890 Alberta Inc.	0.0%	38.7	68	-	63	38.7	47	4,348.3	38.7
Sun Century Petroleum Corporation	92.5%	36.2	69	35.8	48	0.4	78	6,222.3	484.2
NuVista Energy Ltd.	64.3%	34.4	70	34.4	49	-	82	2,805.4	96.4

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Forge Petroleum Corporation	99.8%	32.8	71	32.8	50	-	82	19,391.5	14,800.5
Barcomp Petroleum Ltd.	0.0%	31.1	72	-	63	31.1	50	6,554.0	31.1
Northern Spirit Resources Inc.	98.2%	27.0	73	-	63	27.0	52	13,832.2	1,530.1
Rock Energy Inc.	96.4%	24.1	74	-	63	24.1	54	5,048.8	675.5
Alston Energy Inc.	99.0%	24.0	75	23.7	52	0.3	79	5,226.8	2,362.8
Petrocapita GP I Ltd.	98.2%	23.6	76	-	63	23.6	55	14,206.9	1,277.0
Whitecap Resources Inc.	0.0%	23.4	77	23.4	53	-	82	14.4	23.4
TAQA North Ltd.	92.8%	15.9	78	4.2	58	11.7	59	3,932.2	220.7
MKE Canada Ltd.	48.9%	14.3	79	14.3	54	-	82	2,488.2	28.0
Mosaic Energy Ltd.	96.7%	14.1	80	-	63	14.1	58	680.2	433.0
Jast Energy Ltd.	79.8%	9.2	81	9.2	56	-	82	1,581.9	45.5
Tuscany Energy Ltd.	97.9%	6.3	82	-	63	6.3	60	2,832.0	292.4
Venturion Oil Limited	99.8%	6.3	82	6.3	57	-	82	72,394.0	2,904.2
Wildcat Rentals Ltd.	9.4%	5.8	83	-	63	5.8	61	1,583.6	6.4
Spry2 Energy Inc.	100.0%	4.3	84	-	63	4.3	62	4,364.2	9,705.4
Jayhawk Resources Ltd.	4.7%	4.1	85	0.9	62	3.2	65	937.2	4.3
Rolling Hills Energy Ltd.	96.2%	3.6	86	-	63	3.6	63	292.0	94.6
Gunnarr Resources Inc.	0.0%	3.3	87	-	63	3.3	64	551.9	3.3
Signalta Resources Limited	98.0%	2.8	88	-	63	2.8	66	103.4	139.2
Sahara Energy Ltd.	0.0%	2.2	89	-	63	2.2	68	698.9	2.2
Avalon Oil & Gas Ltd.	98.9%	1.9	90	-	63	1.9	69	8,243.9	176.3
Vital Energy Inc.	33.3%	1.8	91	-	63	1.8	70	196.9	2.7
Shorthorn Exploration Ltd.	99.8%	1.4	92	-	63	1.4	71	590.6	673.1
Questfire Energy Corp.	99.4%	1.3	93	-	63	1.3	72	30.1	231.0
Five O Oil & Gas Ltd.	0.0%	1.2	94	1.2	61	-	82	358.5	1.2
Roswell Petroleum Corporation	0.0%	1.1	95	-	63	1.1	73	904.6	1.1
Grand Rapids Petroleum Ltd.	0.0%	1.0	96	-	63	1.0	74	520.5	1.0
Baytex Energy Ltd.	98.0%	0.9	97	-	63	0.9	75	1,875.0	44.9
LOF Energy Ltd.	0.0%	0.9	97	-	63	0.9	75	339.5	0.9
Omers Energy Inc.	100.0%	0.7	98	-	63	0.7	77	379.5	1,907.0
Nextraction Energy Corp.	99.1%	0.1	99	-	63	0.1	81	478.7	10.6
Big Lake Energy Ltd.	0.0%	-	100	-	63	-	82	18.3	-
Blackhawk Resource Operating Corp.	100.0%	-	100	-	63	-	82	792.8	15.6
Ceno Energy Limited	100.0%	-	100	-	63	-	82	587.3	2.4
Fox Creek Petroleum Corp.	100.0%	-	100	-	63	-	82	584.5	81.0

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Freemont Resources Ltd.	100.0%	-	100	-	63	-	82	13,662.3	96.2
Hawk Exploration Ltd.	100.0%	-	100	-	63	-	82	13,092.1	1,443.1
InPlay Oil Corp.	100.0%	-	100	-	63	-	82	4,209.9	1,979.7
Kasten Energy Inc.	100.0%	-	100	-	63	-	82	2,558.9	374.3
Northern Utilities (sask.) Ltd.	100.0%	-	100	-	63	-	82	212.1	0.9
Optimal Resources Inc.	100.0%	-	100	-	63	-	82	86.3	27.4
Pennine Petroleum Corporation	100.0%	-	100	-	63	-	82	807.3	8.2
Striker Exploration Corp.	100.0%	-	100	-	63	-	82	1,547.3	1,222.2
Tallgrass Energy Corp.	100.0%	-	100	-	63	-	82	436.3	54.0
Unit 18 Corp.	100.0%	-	100	-	63	-	82	2,105.4	19.7
Velvet Energy Ltd.	0.0%	-	100	-	63	-	82	1.7	-
Waldron Energy Corporation	100.0%	-	100	-	63	-	82	610.3	505.2
Western Plains Petroleum Ltd.	0.0%	-	100	-	63	-	82	49.7	-
White Ram Resources Ltd.	100.0%	-	100	-	63	-	82	145.6	194.2
TOTALS FOR WAINWRIGHT	**80.3%**	**156,169.7**		**47,256.8**		**108,912.9**		**6,101,430.3**	**792,812.7**

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